MIL-STD-2073-2B
14 March 1986
SUPERSEDING
MIL-STD-2073-2A
16 JULY 1984

MILITARY STANDARD

PACKAGING REQUIREMENT CODES

AMSC N/A

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DEPARTMENT OF DEFENSE
WASHINGTON, DC 20301

Packaging Requirement Codes

MIL-STD-2073-2B

1. This Military Standard is approved for use by all Departments and Agencies of the Department of Defense.

2. Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to the Commanding Officer, Naval Air Engineering Center, Systems Engineering and Standardization Department, Code 9321, Lakehurst, New Jersey 08733 using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

FOREWORD

This standard delineates packaging data in coded format sequence for use by the various elements of the Department of Defense. The preparing activity has the responsibility of establishing codes only within the defined limits of the packaging data requirements, revising existing tables, and conducting a continual review of the tables for the purpose of eliminating codes for requirements which are no longer regularly used. For this reason, it is incumbent upon military agencies using the document to insure that codes requested are justified and to conduct a continuing review to eliminate unnecessary codes.

This standard has been arranged so that the text material and tabular information are separate and distinct. The text has been prepared in accordance with the Department of Defense packaging policy. To increase the utility of the document, the physical size has been reduced by elimination of repetitious text material. The standard is used in conjunction with MIL-STD-2073-1.

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1. SCOPE

1.1 Purpose. The purpose of this standard is to establish and define codes to be used in describing packaging materials and techniques.

1.2 Application. This standard is used in conjunction with MIL-STD-2073-1 and governs the establishment and use of coded packaging data to convey packaging requirements in contracts. The basic document, MIL-STD-2073-1, leads to the correct packaging design for the particular item and to the level of protection specified. Appendix K of MIL-STD-2073-1 governs the format in which the variety of coded packaging data is recorded.

2. REFERENCED DOCUMENTS

2.1 Issues of documents. Applicable documents are shown in MIL-STD-2073-1, Appendix A.

3. GENERAL REQUIREMENTS

3.1 General

3.1.1 Code system. The codes established in this standard are used in a position and sequence system. Coded data used under this system shall appear in the sequence and the number of positions specified in Appendix K of MIL-STD-2073-1. This system reduces the data to a convenient format capable of being stored and manipulated by existing automated data processing methods and equipment or by manual means.

3.2 Procedure and responsibilities for revisions. The procedure and responsibilities set forth below provide a means for incorporating needed additional packaging requirements and codes into the established tables of this standard with a minimum of delay. This procedure applies only to this document.

3.2.1 Adding codes. Military agencies desiring to have a requirement added to the tables herein shall request the preparing activity to establish a code for the requirement and publish it in the next regular revision. Requests for the addition of packaging requirements to the code tables shall include a justification of use (number of acquisitions per year) and approximate number of items to which the requirement will apply. Due to the physical limitations of the code system, new codes will not be established unless a substantial need is indicated. Copies of all correspondence relative to the code shall be furnished to the departmental custodians concerned. See Appendix K of MIL-STD-2073-1 for use of supplemental data as a means of establishing requirements.

4. DETAILED REQUIREMENTS

4.1 General code requirements. The requirements cited in the tables of this standard will be defined by use of the codes associated therewith. When

using this code, a symbol must be used in each digit position in every field of the total code. To distinguish between alphabetical and numerical "O" and "OO", numeric "0" and "00" shall be designated as "Ø" and "ØØ" and alphabetical "O" and "OO" shall be designated as "O" and "OO". When none of the requirements of the table apply, one of the following codes shall be used:

a. Use the alphabetical code "O" or "OO" or numerical code "Ø" or "ØØ" (dependent upon the number of digit spaces in code field) to indicate that the field does not apply to the package described by the code.

b. Use the code "Y" or "YY" (dependent upon the number of digit spaces in the code field) to indicate that the packager (contractor) is responsible for selecting the appropriate requirement. When this code is used, the packager is required to limit his selection to requirements included in the tables of this standard unless prior written permission to use unlisted materials has been obtained from contracting officer.

c. Use the code "Z" or "ZZ" (dependent upon the number of digit spaces in the code field) to indicate that supplementary or special requirements apply which are not represented by the code symbols. When the "Z" or "ZZ" symbols are used in an acquisition document, details of the requirement shall be provided with the document.

d. Use of code "X" or "XX" will normally indicate that the requirement in a field is included as part of the requirements defined for the preservation method codes. (See corresponding tables for definitive interpretation.)

4.2 Preservation methods. The preservation method codes cited in Table I represent those methods established by and described in MIL-P-116.

4.2.1 Procedural specifications. Table Ia lists codes that indicate specifications and standards which are referenced regularly when specifying the packaging requirements for certain groups of items. These codes should not be used unless the referenced document, supplemented by information provided in the additional fields of the total code, adequately describes the packaging needed for the item being considered.

4.2.2 Specialized preservation. Table Ib lists codes that indicate packaging procedures which are regularly used but which cannot be conveniently or adequately described without amplification of the basic method and material symbols.

4.3 Quantity per unit pack. The quantity per unit pack is to be indicated as shown below and is to be used as specified in Appendix K of MIL-STD-2073-1. However, the quantity per unit pack for ammunition will be the quantity in that package configuration which meets the packaging requirements of Title 49 CFR. This is normally the quantity in the exterior shipping container.

Code	Quantity
In clear	001 through 999
AAA	1000
AAB	1200
AAC	1440
AAD	1500
AAE	1800
AAF	1860
AAG	2000
AAH	2400
AAJ	3000
AAK	3500
AAL	5000
AAM	7000
AAN	7200
BLK	Bulk
YYY	Packager's option as long as all other requirements are met.
ZZZ	Special requirements - refer to supplemental data, special instructions or drawings provided.

4.4 Cleaning and drying. Table II lists cleaning and drying requirement codes. Cleaning and drying will be in accordance with the procedures of MIL-P-116.

4.5 Preservative. Table III lists preservative material codes.

4.6 Wrapping material. Table IV lists wrapping material codes.

4.7 Cushioning and dunnage. Table V lists cushioning and dunnage materials codes.

4.8 Thickness of cushioning or dunnage. Table VI defines thickness of cushioning material.

4.9 Unit and intermediate container. Table VII lists the unit and intermediate container codes.

4.9.1 Options. When the selected code allows an option in the selection of the container, the weight and size limitations of the container specification will apply.

4.10 Level of protection. Table VIII lists the level of protection codes.

4.11 Unit packs per intermediate container. The quantity of unit packs per intermediate container is to be indicated as shown below.

Code	Quantity
In clear	001 through 100
XXX	See Appendix F, MIL-STD-2073-1
YYY	Packer's option as long as all other contractual requirements are met.
ZZZ	Special requirement - see specific drawing or instruction provided

4.12 Intermediate container. The codes for the intermediate containers are the same as the codes used to specify the unit containers and are listed in Table VII.

4.13 Packing. The codes that indicate the type of shipping container for packing are listed in Table IX.

4.14 Special markings. Table X lists the codes for special markings. The special markings are considered an integral part of the total pack required to identify and to protect the contained item during packaging, storage, transit, and removal from the pack and must be applied to the containers according to MIL-STD-129. The codes should be used only as they apply to items enclosed within the approved packaging and shall be compatible with the prescribed packaging data.

4.15 Approximate weight and thickness information. The weight and thickness information included in Tables IV, V, and VII should not be considered as requirements for these properties. They are solely approximations and are offered to assist users in calculating the approximate package weight and cube using the formulas contained in Table V, Appendix C of MIL-STD-2073-1.

5. NOTES

5.1 Supersession. The following documents will be superseded in consonance with appropriate implementing directives of the MIL-STD-2073 system:

MIL-STD-647 Packaging Standards, Preparation and Use of

MIL-STD-726 Packaging Requirement Codes

TABLE I. Preservation method codes (see 4.2).

Method of preservation codes for the preservation methods and submethods established by MIL-P-116.

Code to method conversion				Method to code conversion			
Code	Method	Code	Method	Method	Code	Method	Code
1Ø	III	3P	IA-15	III	1Ø	IC-2	2M
11	I	3Q	IA-14	I	11	IC-3	2D
12	IB-1	3T	IA-13	*IA	3Y	IC-4	2S
1B	IB-2	3V	IA-5	IA-5	3V	IC-7	2A
*1Y	IB	3W	IA-6	IA-6	3W	IC-9	2B
2A	IC-7	*3Y	IA	IA-8	3G	IC-1Ø	2C
2B	IC-9	4G	IIc	IA-13	3T	*II	4Y
2C	IC-1Ø	4H	IIa	IA-14	3Q	IIa	4H
2D	IC-3	4P	IIe	IA-15	3P	IIb	4Q
2E	IC-1	4Q	IIb	IA-16	3H	IIc	4G
2M	IC-2	4T	IIf	*IB	IY	IId	4V
2S	IC-4	4V	IId	IB-1	12	IIe	4P
*2Y	IC	*4Y	II	IB-2	IB	IIf	4T
3G	IA-8	ZZ	See Note	*IC	2Y	See Note	ZZ
3H	IA-16			IC-1	2E		

* Submethod is option of contractor
Note: See paragraph 4.1.

TABLE Ia. Procedural specification codes (see 4.2.1).

Method of preservation codes referencing documents which establish packaging requirements for products or item groups.

Code	Product or item group	Procedure
15	Aluminum and magnesium	MIL-STD-649
17	Batteries	MIL-B-208
18	Batteries, dry	MIL-B-55521
19	Batteries, storage, aircraft	MIL-P-6063
2Ø	Batteries, storage, industrial	PPP-B-140
21	Bearings, antifriction	MIL-B-197
22	Cable, cord, and wire, electric	MIL-C-12000
23	Chemicals, liquid, dry and paste	PPP-C-2020
**25	Cordage	MIL-C-3131
26	Capstans, winches, etc.	MIL-P-3184
27	Cable assemblies and cord assemblies	MIL-C-55442
**28	Copper	MIL-C-3993
29	Electric machines	MIL-E-16298
3Ø	Printing, duplicating & reproduction equipment	MIL-P-3684

** Added

TABLE Ia. Procedural specification codes (see 4.2.1) (continued).

Code	Product or item group	Procedure
33	Electronic equipment	MIL-E-17555
**34	Engine repair parts	MIL-R-196
35	Engines, gas turbine	MIL-E-5607
36	Engines, aircraft reciprocating	MIL-E-6058
37	Engines other than aircraft	MIL-E-10062
**38	Fire control parts	MIL-P-14232
42	Hardware	PPP-H-1581
45	Hoists	MIL-H-3280
47	Hose	MIL-H-775
48	Optical elements	MIL-O-16898
49	Machinery, metal, and wood working	MIL-M-18058
52	Nails	FF-N-105
53	Preformed packing "O" rings	MIL-P-4861
54	Paint and related products	PPP-P-1892
56	Parachutes	MIL-P-5610
66	Propellers	MIL-P-6074
67	Pumps	MIL-P-10603
70	Rubber, nylon fuel, oil & water alcohol cells	MIL-P-25621
71	Steel mill products	MIL-STD-163
73	Tires and tubes	MIL-T-4
74	Tools	PPP-P-40
75	Electron tubes	MIL-E-75
*76	Valves, fittings and flanges (except preservative applied to the external surfaces shall be P-19 of MIL-P-116	MIL-V-3
78	Welding rods	MIL-W-10430
81	Abrasives and abrasive products	MIL-A-3816
89	Non-ferrous products	MIL-N-3944
94	Compressors	MIL-C-3600
96	Semiconductor devices	MIL-S-19491
97	Synchros, resolvers & servo motors	MIL-S-12134
**A1	Tables and benches, work	MIL-B-45977
**A2	Time measuring instruments	PPP-T-360
A3	Tool sets, shop sets & kits (common & special)	MIL-T-45542
A5	Boilers and related equipment; for field use	MIL-B-3180
A8	Automobiles, trucks, truck-tractors, trailers and trailer dollies	MIL-STD-281
A9	Capacitors	MIL-C-39028
B1	Block, wire and manila rope	MIL-B-3865
B3	Pumps, prime movers and associated repair parts	MIL-P-16789
**B4	Refrigerators and related equipment	MIL-P-12323
B5	Main propulsion shafting, bearings and ship and boat propellers	MIL-P-2845
B6	Fabrics, woolen, worsted, and wool blend (synthetic fiber; cotton)	PPP-P-1132

* Changed
** Added

TABLE Ia. Procedural specification codes (see 4.2.1) (continued).

Code	Product or item group	Procedure
B7	Fabrics, synthetic fiber	PPP-P-1133
B8	Fabrics, cotton and cotton-synthetic fiber blend (excluding duck fabrics)	PPP-P-1134
B9	Fabrics, duck fabrics (cotton, synthetic fiber, cotton synthetic fiber blends)	PPP-P-1135
C1	Fabrics, coated (plastic rubber)	PPP-P-1136
C2	Resistors	MIL-R-39032
C3	Sonobuoys	MIL-S-23665
C4	Microcircuits	MIL-M-55565
C5	DOD material, procedure for development and application of packaging requirements (code not for contractor use)	MIL-STD-2073-1
C6	Gyroscopic assemblies	MIL-G-81559
C7	Connectors	MIL-C-55330
C8	Switches	MIL-S-28786
C9	Kits	Appendix D of MIL-STD-2073-1
D6	Wire rope assemblies, single leg	MIL-W-3903
D7	Chains and attachments, welded, weldless, and roller chain	RR-C-271
E1	Supplies and equipment that can be packaged commercially	ASTM D 3951
E3	Vulcanizing equipment	MIL-V-45554
E4	Wheeled vehicles	MIL-V-62038

TABLE Ib. Specialized preservation codes (see 4.2.2).

Method of preservation codes for packaging procedures which are regularly used and require a more detailed description than allowed by the basic code and yet do not require the use of special packaging instructions.

Code	Packaging procedure
AA	Preservation and unit packing identical to industrial package used by supplier for prevention of deterioration and mechanical damage.
*AB	In accordance with detail requirements in the commodity specification or standard. NOTE: When Level A protection is specified and commodity specification contains no provision for Level A, packaging as specified for overseas shipment shall apply.
AC	Preserve Method III as follows: Clean item of foreign matter, wrap in nonabrasive tissue, and overwrap with 1/4" cushioning material (use more if needed to prevent breakage or damage) conforming to PPP-C-843, Type II; or wrap in nonabrasive neutral cushioning material of 1/4" thickness conforming to PPP-C-843, Type II. Overwrap each cushioned item with 60 lb. kraft paper (24" x 36" - 500 sheets), fasten with waterproof pressure sensitive tape and place in a paperboard setup carton. (Used for noncritical items of glass and similar material.)
AD	Coil on reels or spools made in accordance with applicable material specification (for commodity being packaged) or best commercial practice, if no such specification exists.
AE	Seal or plug all openings with approved noncorrosive materials to prevent entrance of moisture, dirt and foreign matter. Package to meet requirements of Method III of MIL-P-116.
AF	Preserve Method III as follows: Place in fold of neutral paper, conforming to MIL-P-17667 or MIL-B-121, Grade A material, and fasten with pressure sensitive tape to a rectangle of rigid corrugated fiberboard of minimum practicable size.
AG	Preserve Method III as follows: Mark or label each piece with stock number and quantity, and place the number of individually marked pieces, as indicated in supplemental data, in a paperboard or fiberboard carton of minimum practicable size.
AH	Preserve Method I as follows: Fog spray or flush internally with preservative indicated by preservation code. All openings shall then be plugged or sealed to prevent entrance of dirt and moisture. Exterior unpainted ferrous metal surfaces shall be coated with a suitable paint or enamel, or coated with cold application, nontacky, corrosion preventive compound conforming to P-19 of MIL-P-116.

* Changed

TABLE Ib. Specialized preservation codes. (see 4.2.2) (continued).

Code	Packaging procedure
AJ	Preserve Method I as follows: Place preserved item in fold of MIL-B-121, Grade A material, and fasten with pressure sensitive tape to a rectangle of rigid, corrugated fiberboard of minimum practicable dimension.
AK	Preserve Method I as follows: Flush or fog spray internal water passages with preservative conforming to P-3 of MIL-P-116. Flush or fog spray internal oil passages with preservative conforming to P-7, P-9 or P-10 of MIL-P-116. All internal surfaces must be thoroughly covered with preservative. Plug or seal all openings to prevent entrance of dirt or moisture. Coat all external ferrous metal surfaces with nontacky, cold application, preservative compound conforming to P-19 of MIL-P-116, or paint with suitable enamel. (Used for pumps and similar items.)
AL	Preserve Method I as follows: Unit container shall conform to PPP-B-636, Type CF, Class weather-resistant. Seal all seams and joints with PPP-T-76 tape, not less than two inches wide.
AM	Pack in manufacturer's standard metal container, sealed with waterproof tape conforming to PPP-T-60.
*AN	Preserve Method IA as follows: Clean each item with chemically neutral detergent, wrap in nonabrasive chemically inert tissue, and overwrap with cushioning material conforming to PPP-C-843, or as an alternate, nonabrasive cushioning conforming to PPP-C-843 to a minimum thickness of twice the thickness of the item. Seal each cushioned item within a bag made of material conforming to MIL-B-131. (Used for items of glass and similar material which have critical surfaces.)
*AP	Preserve Method IA-8 using MIL-B-131, Class 1 barrier. Place each packaged item in an individual corrugated carton, folder or sleeve meeting weight limitations of PPP-B-636. Use sufficient cushioning within fiberboard box for package to pass free fall drop test of MIL-P-116.
AQ	Preserve by Method IIa, IIb, or IId. If IIa is selected, place item in a nailed wood box conforming to Table III or IV of PPP-B-621 after sealing of barrier.
AR	Preserve by Method II (specified submethod optional) except that items inherently fungusproof or completely treated with fungus resistant compound or varnish (such as MIL-V-173) shall be preserved by Method III.
AT	Preserve in accordance with MIL-P-23199, Level A. Need for purging shall be determined by criteria specified in MIL-P-23199, Level A.

* Changed

TABLE Ib. Specialized preservation codes (see 4.2.2) (continued).

Code	Packaging procedure
AU	Preservative compounds shall not be applied to windings, commutators or peripheries of armatures or rotors. Shafts shall be coated with Type P-2 preservative and wrapped with MIL-B-121, Grade A material, secured in place with PPP-T-60 tape. Commutators shall be wrapped with MIL-B-121, Grade A material, held in place with PPP-T-60 tape. Exposed surfaces of steel collector rings shall be coated with Type P-2 preservative. No preservative is required for bronze, brass or other corrosion resisting metals. All collector rings shall be wrapped with MIL-B-121, Grade A material, secured in place with PPP-T-60 tape. Corrodible surfaces, except shafts, commutators, and collector rings, may be preserved by the use of insulating varnish applied during the manufacturing process. In addition to the foregoing requirements, armatures and rotors shall be wrapped with MIL-B-121, Grade A material, secured with PPP-T-60 tape.
AW	Preserve in accordance with any of the following alternate methods (used for gaskets and similar items): a. Seal in bags conforming to Class B, C or E of MIL-B-117, using stiffening material internally if needed to maintain rigidity. b. Method IA-13 or IA-15 of MIL-P-116. c. Place between sheets of, or in fold of, corrugated fiberboard of sufficient stiffness to resist bending, overwrap with waterproof wrapping paper conforming to PPP-B-1055 and seal with pressure sensitive tape conforming to PPP-T-76 or PPP-T-60 or adhesive conforming to MMM-A-260. Authorization to use other waterproof barrier materials may be granted upon request.
BA	Assemble nonferrous accessories on shaft. Fasten nonferrous key in keyways with pressure sensitive tape having noncorrosive properties of PPP-T-60. Preserve all ferrous parts and accessories in accordance with Method IA-8 (using preservative conforming to P-2) and fasten them to shaft with pressure sensitive tape conforming to PPP-T-60. Pack assemblies individually (one per box) but otherwise in accordance with Figure 1 of MIL-P-2845, except that tops and bottoms of boxes may be made of 1" nominal thickness lumber. (Used for shaft assemblies and similar items, nonferrous.)
BC	Preserve by Method I as follows: Coat all pieces of set with preservative compound conforming to P-19. Wrap or bag each preserved piece individually in MIL-B-121, Grade A material. Cushion or segregate individually wrapped or bagged pieces in the storage container to prevent movement and possible physical damage. (Segregated identical pieces, such as buckets and seal strips, are to be kept as close together in the container as possible to facilitate ease of counting.)

TABLE Ib. Specialized preservation codes (see 4.2.2) (continued).

Code	Packaging procedure
	Individually preserved, wrapped, or bagged pieces need not be identified since the container markings are in accordance with MIL-STD-129. Itemized packing lists, for inclusion within or attachment to the outside of the container, shall be furnished in accordance with MIL-STD-129. The lists shall show quantity and nomenclature of all items included in the set. (Used for turbine blade sets and similar items.)
BD	Remove parts made of rubber, fiber, and/or nonmetallic materials adversely affected by preservative compounds and packaged by Method IA-8 without a preservative. Preserve metal parts of assembly to conform to the requirements of Method IA of MIL-P-116. Mark the bag containing nonmetallic parts "Parts for Assembly" and include it within, or securely attached to the pack containing metal parts in a manner which will assure its being found when the pack is opened. (Use for coupling and similar items.)
BG	Preserve as for Method IC-1 except use L-P-378 heat sealable polyethylene film or bag as the barrier in lieu of MIL-B-121 material. Minimum film thickness shall be 4 mils.
BJ	Sandwich part between two rectangular pieces of fiberboard and seal the entire perimeter of the fiberboard rectangles with pressure-sensitive tape conforming to PPP-T-60, or PPP-T-45, Type II.
BL	Plug or seal all openings and preserve Method I.
CE	Preserve Method IC-1 using MIL-B-121, Type I barrier. Place each packaged item in an individual folding paperboard box or setup paperboard box conforming to PPP-B-566 or PPP-B-676. Use sufficient cushioning within paperboard container for package to pass free fall drop test of MIL-P-116.
CG	Preserve Method IA-8, using barrier material meeting the requirements of MIL-B-131, Class 1.
CH	Package Method IA-14, except the outer container shall be a fiberboard box conforming to the requirements of PPP-B-636, Type CF, class weather resistant. The corners, seams, and manufacturer's joint of the outer container shall be sealed with pressure-sensitive tape, conforming to PPP-T-76. The tape shall be 2 inches wide for weights up to 20 pounds, and 3 inches wide for boxes having a content weight in excess of 20 pounds.
**CJ	Preserve Method IA-15 with kraft paper overwrap, secured.
CM	Package Method IIb, except the outer container shall be a fiberboard box, conforming to the requirements of PPP-B-636, Type CF, Class weather-resistant. The corners, seams, and manufacturer's joint of the outer container shall be sealed with pressure-sensitive tape conforming to PPP-T-76. The tape shall be 2 inches wide for weights up to 20 pounds, and 3 inches wide for boxes having a content weight in excess of 20 pounds.

** Added

TABLE Ib. Specialized preservation codes (see 4.2.2) (continued).

Code	Packaging procedure
**CP	Preserve Method IIe with kraft paper overwrap, secured.
CQ	Package Method III in bags, boxes or cylindrical containers of minimum practical size. Bags shall be made of neutral material conforming to MIL-P-130, MIL-P-17667, MIL-B-121, Grade A, or MIL-B-117. Boxes and cylindrical containers shall be of paperboard or plastic.
DA	Preserve Method III modified as follows: Wrap in a tight conforming wrap of neutral MIL-P-17667, MIL-P-130, or MIL-B-121 Grade A material. The wrapper shall be fastened, but not sealed, with pressure-sensitive tape.
DB	Preserve by Method III modified as follows: Preserve in transparent barrier bag made of L-P-378 or type III MIL-B-22191 material. L-P-378 or MIL-B-22191, type III material, PPP-C- 1842 or PPP-C-795 cushioning shall be used to cushion sharp edges and protrusions of the preserved items. Bag closure shall be made by any suitable means, except that staples shall not be used. When use of a bag is not practicable, the item shall be completely wrapped in the above barrier or cushioning material and secured with pressure sensitive tape. Also, the use of shaped or molded packs utilizing materials covered in MIL-B-22191 or L-P-378 in conjunction with plastic coated board is acceptable provided the pack's cube is not increased and the pack meets the tests specified in MIL-P-116.. Strip or block form of multiple packages shall incorporate provisions for separating unit quantities.
DC	Package by Method I modified as follows: Preserve in a transparent barrier wrap made of Type II, MIL-B-22191 barrier material, or bag conforming to Type I, Class C, Style 2 of MIL-B-117. MIL-B-22191, Type II barrier material shall be used to cushion sharp edges and protrusions of item to prevent bag puncture. PPP-C-1842 or PPP-C-795 may also be used to cushion sharp edges and protrusions if item is first wrapped in MIL-B-22191, Type II barrier material. The bag closure shall be made by any suitable means, except that staples shall not be used. Also, the use of shaped, preformed or molded packages utilizing materials covered in MIL-B-22191 or L-P-378 in conjunction with plastic coated board is acceptable, provided that the package cube is not increased and materials are compatible with preservative specified. However, these packages shall be capable of meeting the tests specified in MIL-P-116. Strip or block form of multiple packages shall incorporate provisions for separating unit quantities.

** Added

TABLE Ib. Specialized preservation codes (see 4.2.2) (continued).

Code	Packaging procedure
*DD	Preserve by Method IC-1 or IA-8 modified as follows: Preserve in a transparent barrier bag conforming to Type I, Class C, Style 2 of MIL-B-117. To prevent bag puncture, wrap or cushion with sufficient layers of MIL-B-22191 or L-P-378 barrier material, PPP-C-1842 or PPP-C-795 cushioning, or otherwise protect sharp edges and protrusions with caps, covers, plugs, or rigid plastic foam in accordance with MIL-P-26514. If a contact preservative has been applied to item, MIL-B-22191 Type II barrier material is required as wrap or cushioning and initial wrap prior to application of cushioning. Alternate cushioning materials are acceptable if certified as having physical properties equal to or better than similarly constructed materials covered by a government packaging specification. Non-corrosive conductive material shall be applied to all exposed leads and connector pins. Lead or terminal configurations for all items shall be maintained as manufactured without causing loads or stresses capable of causing damage to the item. Materials used to maintain item position and lead or terminal configuration shall permit item removal without damage to the item. The bag closure shall be made by heat sealing.
*DG	Preserve Method IIc modified as follows: Package the item in a heat sealed transparent bag conforming to Type I, Class E, Style 2 of MIL-B-117. Wrap all items with layers of MIL-B-22191, Type III and L-P-378 barrier material, or otherwise protect sharp edges and protrusions with caps, covers, plugs, or rigid plastic foam in accordance with MIL-P-26514 or fiberboard to prevent puncture of bag. The required desiccant and card type humidity indicator shall be placed within heat sealed barrier bag.
DH	Preserve by Method I as follows: Apply preservative (indicated by the preservation position of the preservation code) to critical surfaces. Wrap critical exposed surfaces with MIL-B-121, Grade A material, followed by Grade C, sealed with PPP-T-60 tape. Apply preservative conforming to P-1 of MIL-P-116 to unpainted exterior, noncritical surfaces.
DN	Preserve Method I as follows: The preservative indicated by the preservation position of the preservation code is applicable to exterior surfaces or open interior passages. Manufacturers' prelubricant is adequate for sealed interior compartments.
DP	Preserve Method IC as follows: The preservative indicated by the preservation position of the preservation code is applicable to exterior surfaces or open interior passages. Manufacturers' prelubricant is adequate for sealed interior compartments.

* Changed

TABLE Ib. Specialized preservation codes (see 4.2.2) (continued).

Code	Packaging procedure
DQ	Preserve Method IA as follows: The preservative indicated by the preservation position of the preservation code is applicable to the exterior surfaces or open interior passages. Manufacturers' prelubricant is adequate for sealed interior compartments.
DR	Preserve Method IC as follows: Each unit shall have all internal fluid-carrying passages, which are not prelubricated, filled with the preservative/operating fluid indicated by the preservation position of the preservation code, allowing space for internal thermal expansion. If filling is not practical, the unit shall be internally fog-sprayed or flushed, then drained to the drip point. All ports, fittings, openings, etc., shall be capped or plugged with noncorrosive (non-interacting) metal caps or plugs conforming to MIL-C-5501 or equivalent. All hydraulic preservative operating fluid used shall be filtered through a 3 micron absolute filter prior to being used as specified above. Exterior bare metal surfaces, subject to corrosion, shall be coated with compound conforming to P2 or P6 of MIL-P-116. Unit shall be wrapped with a greaseproof wrap conforming to MIL-B-121, Grade A or equivalent; seal seams with PPP-T-76 tape to effect a measure of waterproofness and prevent unwrapping. The unit must be adequately cushioned with material specified and placed in a PPP-B-636, grade V3c container (as a minimum), Style FOL or CSSC. All seams, corners, and manufacturer's joint shall be tape-sealed with two inch tape conforming to PPP-T-60, Type III or IV.
DS	Cable Assemblies - Wrap and cushion connector end in accordance with procedure specified in MIL-P-116. Seal connector ends in MIL-B-22191 or MIL-B-117. Coil where possible to minimum cube and secure with dry common cord. Secure items weighing over ten pounds (coiled where possible) to corrugated, solid fiberboard or other rigid material. Preserve Method III in a fiberboard box, conforming to PPP-B-636, Type CF or Type SF, Class domestic.
DV	Preserve Method IIa, modified. Use transparent film, MIL-B-22191, Type I, in lieu of MIL-B-131 material.
DW	Preserve Method IIb as follows: Item shall be cleaned, wrapped, blocked and braced in an interior carton conforming to PPP-B-636, Class domestic. MIL-B-131 barrier material, sealed as required, shall be utilized around the first container. The cushioning, to be specified under the cushioning code and in the thickness required to adequately protect the item, shall be placed between the barrier and the outer container.
DX	Preserve Method IA-8 using MIL-B-131, Class 1 barrier. Place each pack item in an individual folding paperboard box or set-up paperboard box conforming to PPP-B-566 or PPP-B-676. Use sufficient cushioning within paperboard container for package to pass the free fall drop test of MIL-P-116.

TABLE Ib. Specialized preservation codes (see 4.2.2) (continued).

Code	Packaging procedure
**DY	Preserve in accordance with MIL-STD-2073-1, except that packaging shall be converted to the minimum cube methods in accordance with MIL-STD-758 when nonrepairable items do not exceed 40 pounds and repairable items do not exceed 100 pounds. All items exceeding 40 pounds shall be packed Level A in individual shipping containers in accordance with MIL-STD-2073-1 or MIL-STD-758 as applicable.
EA	Preserve Method IIc using MIL-B-131, Class 1 barrier. Place each preserved item in an individual folding paperboard box or set-up paperboard box conforming to PPP-B-566 or PPP-B-676. Use sufficient cushioning within container for pack to pass the free fall drop test of MIL-P-116.
EB	Preserve Method IC-3 using MIL-B-121, Type I barrier. Place each preserved item in an individual folding paperboard box or set-up paperboard box conforming to PPP-B-566 or PPP-B-676. Use sufficient cushioning within container for pack to pass the free fall drop test of MIL-P-116.
EK	Preserve Method III as follows: Each bolt shall have the shank and threads protected by means of a sleeve extending over the full length of the shank and thread. The sleeve shall be manufactured from paperboard, asphalt impregnated chipboard, or spiral wrap of kraft paper over chipboard, lined with material conforming to MIL-B-121. Plastic sleeve coverings may also be used.
EL	Preserve Method IC-1 using MIL-B-121, Type I barrier. Place each preserved item in an individual fiberboard box meeting the weight limitations of PPP-B-636. Use sufficient cushioning within container for pack to pass the free fall drop test of MIL-P-116.
FA	Method of preservation shall be in accordance with Method Symbol A of MIL-B-197 (see Note 1).
FB	Method of preservation shall be in accordance with Method Symbol B of MIL-B-197 (see Note 1).
FC	Method of preservation shall be in accordance with Method Symbol C of MIL-B-197 (see Note 1).
FF	Method of preservation shall be in accordance with Method Symbol F of MIL-B-197 (see Note 1).
FG	Method of preservation shall be in accordance with Method Symbol G of MIL-B-197 (see Note 1).
FH	Method of preservation shall be in accordance with Method Symbol H of MIL-B-197 (see Note 1).
FJ	Method of preservation shall be in accordance with Method Symbol J of MIL-B-197 (see Note 1).
FK	Method of preservation shall be in accordance with Method Symbol K of MIL-B-197 (see Note 1).
FL	Method of preservation shall be in accordance with Method Symbol L of MIL-B-197 (see Note 1).

** Added

TABLE Ib. Specialized preservation codes (see 4.2.2) (continued).

Code	Packaging procedure
FM	Method of preservation shall be in accordance with Method Symbol A, C, G or L of MIL-B-197, as applicable.
FN	Preservation shall be in accordance with MIL-B-197, Method Symbol L for open bearings and Method Symbol C or L for closed bearings (see Note 1).
FP	Method of preservation shall be in accordance with Method Symbol A or L of MIL-B-197 (see Note 1).
FQ	Preserve in accordance with MIL-E-75, Package Group 1.
FS	Preserve in accordance with MIL-E-75, Package Group 4.
FT	Preserve in accordance with MIL-E-75, Package Group 9. Appropriate magnetic cautionary markings shall be determined in accordance with MIL-S-4473.
FU	Preserve in accordance with MIL-E-75, Package Group 23.
FV	Preserve in accordance with MIL-E-75, Package Group 24.
FX	Preserve in accordance with MS90363-4.
FY	Preserve in accordance with MS90363-5.
GA	Preserve in accordance with MS90363-6.
GB	Preserve in accordance with MS90363-7.
GC	Preserve in accordance with MS90363-8.
GP	Preserve in accordance with MS90363-3.
GQ	Preserve in accordance with MS90363-1.
GR	Preserve in accordance with MS90363-2.
*GS	Preserve by Method IC-1 (modified) of MIL-P-116 in a transparent, flexible, sealable, volatile corrosion inhibitor treated bag conforming to MIL-B-22020. The interleaf furnished inside each Class 2, cold sealable bag shall be withdrawn after inserting item and prior to final sealing in accordance with MIL-B-22020. Items with sharp edges or protrusions shall be wrapped with sufficient layers of transparent, flexible, pressure (cold) sealable volatile corrosion inhibitor barrier material conforming to MIL-B-22019, Type II to prevent bag puncture. The latex coated (nonprinted) side of the barrier material shall always be facing the item. Alternately, the item may be completely wrapped with transparent, flexible, pressure (cold) sealable volatile corrosion inhibitor barrier material conforming to MIL-B-22019, Type II as indicated above and further preserved in transparent barrier bag conforming to Type I, Class C, Style 2 of MIL-B-117. Closure shall be by heat-sealing when this alternate method is used. In addition to markings required elsewhere in the contract, unit identification and caution labels shall be in accordance with MIL-STD-129.
GV	Preserve Method III. Unit container shall conform to PPP-B-636, Type CF, class weather-resistant. Seal all seams and joints with tape, not less than two inches wide, conforming to PPP-T-76.

* Changed

TABLE Ib. Specialized preservation codes (see 4.2.2) (continued).

Code	Packaging procedure
#GW	Preserve by Method IIa modified as follows: Pack in flexible, reusable, watervaporproof container conforming to MIL-C-9959, Type I, Grade A, flame resistant.
*GX	Preserve by Method IA-8 as follows: Items adversely affected by electrostatic and/or both electromagnetic and electrostatic field forces shall be initially wrapped in material conforming to MIL-B-81705, Type II, or cushioned in material conforming to PPP-C-1842, Type III, Style A or B, or PPP-C-795, Class 2, or PPP-C-1752, Type VII, Class 4, or PPP-C-1797, Type II, to prevent bag puncture, and unit packed in a heat-sealed bag conforming to MIL-B-117, Type I, Class F, Style 1. Alternate cushioning materials are acceptable if certified as having physical properties equal to or better than similarly constructed material(s) covered by a government packaging specification and such materials satisfy the electrostatic decay rate requirement of MIL-B-81705. Noncorrosive conductive material(s) shall be applied to all exposed leads and connector pins. Lead or terminal configurations for all items shall be maintained as manufactured without causing loads or stresses capable of causing damage to the item. Materials used to maintain item position and lead or terminal configuration shall permit item removal without damage to the item. Sensitive electronic device caution labels shall be applied in accordance with MIL-STD-129.
GZ	Preserve by Method IC-1 or IA-8 modified as follows: Preserve in a transparent barrier bag conforming to Type I, Class C, Style 2 of MIL-B-117. To prevent bag puncture, wrap or cushion with sufficient layers of MIL-B-22191 or L-P-378 barrier material, PPP-C-1842 or PPP-C-795 cushioning, or otherwise protect sharp edges and protrusions with caps, covers, plugs, or rigid plastic foam in accordance with MIL-P-26514. If a contact preservative has been applied to the item, MIL-B-22191, Type II barrier material is required as wrap or cushioning and initial wrap prior to application of cushioning. The bag closure shall be made by heat sealing.
JF	Preserve Method III - Items shall be preserved in a vacuum formed skin pack, formed from either cellulose acetate, cellulose butyrate or cellulose propionate. The material shall be 10 to 15 mils minimum thickness prior to draw and 2 to 4 mils thickness after draw. PPP-F-320, Class - domestic fiberboard shall be used as a stiffener.
*JG	Preserve Method IA-8 using MIL-B-131, Class 1 or 2 barrier material.
*JH	Preserve Method IA-8 using MIL-B-22191, Type I film. Sharp edges and protrusions shall be sufficiently cushioned to protect the item and barrier.

* Changed
# Fire retardant

TABLE Ib. Specialized preservation codes (see 4.2.2) (continued).

Code	Packaging procedure
JK	Preserve Submethod IA-8 for semiconductor devices and resistors in accordance with the Level A provisions of MIL-S-19491 and MIL-R-39032, respectively, utilizing the field force protection (shielding) requirements as well as insuring that all other applicable requirements (including packing, marking and quality assurance) of these specifications are met. All other items shall be preserved Submethod IA-8 as follows: These items shall be wrapped in material conforming to MIL-B-81705, Type II, or cushioned in material conforming to PPP-C-795, Class 2; PPP-C-1752, Type VII, Class 4; PPP-C-1797, Type II; or PPP-C-1842, Type III. Lead or terminal configurations for all items shall be maintained as manufactured without causing loads or stresses capable of causing item damage. Materials used to protect lead or terminal configurations shall permit item removal without damage to the item. The unit container shall consist of a heat sealed bag conforming to MIL-B-117, Type I, Class F, Style 1. All containers used shall be marked as specified for sensitive electronic devices in MIL-STD-129.
JL	Preserve Method IC-3 using MIL-B-22191, Type III film. Sharp edges and protrusions shall be sufficiently cushioned with transparent material to protect the item and barrier.
JM	Preserve Method III as follows: Unit container shall consist of one piece of 3/8-inch plywood and one piece of double wall fiberboard, PPP-F-320, each 4 inches longer and wider than the item dimensions. Place item on plywood, cover with fiberboard and staple fiberboard to plywood on sides and end. For items longer than 96 inches, frame panel in accordance with PPP-B-601 (used for backing boards and similar flat items.)
JN	Preserve in accordance with MIL-P-23199, Level B.
JR	Preserve Method III. Preserve technical literature Method IC-1 and place on top of contents prior to closure of unit container.
JS	Preserve Method IA-14. Preserve technical literature Method IC-1 and place on top of contents prior to closure of unit container.
JT	Preserve Method IIb. Preserve technical literature Method IC-1 and place on top of contents prior to closure of unit container.

Note 1. Preservation and packing shall be in accordance with Level A requirements of MIL-B-197. In reference to Code "FM," the method of preservation described by symbol "G" (IA-8) of MIL-B-197 shall not exceed ten pounds, and symbol "A" (IB-2) may only be used for bearings exceeding an o.d. of 4.86 inches.

TABLE II. Cleaning and drying procedure codes (see 4.4).

Code	Procedure
Ø	No requirement.
1	Process C-1, any applicable process in accordance with MIL-P-116.
3	Process C-3, two step petroleum solvent.
5	Process C-5, petroleum solvent followed by fingerprint removal.
6	Process C-5 or C-18, petroleum solvent or vapor degreasing followed by fingerprint removal.
7	Process C-7, vapor degreasing.
8	Process C-8, fingerprint removal.
A	Process C-18, vapor degreasing followed by fingerprint removal.
*B	Clean lenses and optical equipment in accordance with MIL-O-16898.
C	Process C-8, followed by material conforming to O-M-232.
D	Process C-9, alkaline cleaning.
E	Cleaning shall be in accordance with MIL-M-9950.
F	Clean for oxygen service in accordance with industry practice. Petroleum and other inflammable solvents shall not be used.
G	Process C-11, electrocleaning.
H	Process C-12, emulsion cleaning.
K	Process C-16, abrasive blast (honing process).
L	Process C-17, soft grit blast.
M	Process C-19, ultrasonic cleaning in accordance with industry practice.
N	Cleaning shall be in accordance with MIL-STD-767.
P	Process D-1, blast of prepared dry and clean compressed air.
Q	Process D-4, wiping with clean, dry, lint free cloths or specially prepared wiping papers.
**R	Clean for high pressure air service in accordance with industry practice to assure safe equipment. Petroleum and other flammable solvents shall not be used. Attach certification of special cleaning accomplished to each unit.
X	See method of preservation code for this requirement.
Y	Packager's option as long as all other contractual requirements are met.
Z	Special requirements - See specific instructions or drawings provided.

* Changed
** Added

TABLE III. Preservative material codes (see 4.5).

Code	Material
ØØ	No requirement.
Ø1	P-1, MIL-C-16173, Grade 1 corrosion preventive, solvent cutback, cold application, hard film.
Ø2	P-2, MIL-C-16173, Grade 2, corrosion preventive, solvent cutback, cold application, soft film.
Ø3	P-3, MIL-C-16173, Grade 3, corrosion preventive, solvent cutback, cold application, water displacing soft film.
Ø6	P-6, MIL-C-11796, Class 3, light preservative compound, soft film, hot application.
Ø7	P-7, MIL-L-3150, medium preservation oil, cold application.
Ø9	P-9, VV-L-800, very light preservative oil, water displacing (cold application).
1Ø	P-10, MIL-L-21260, Grade 10, 30 or 50.
11	P-11, MIL-G-23827, grease, aircraft and instrument, gear and actuator screw.
12	P-11, MIL-G-81322, grease, aircraft, general purpose.
13	P-11, MIL-G-10924, grease, automotive and artillery.
#15	P-15, MIL-H-46170, hydraulic fluid, rust inhibited, fire resistant and synthetic hydrocarbon base.
17	P-17, MIL-L-6085, lubricating oil, instrument, aircraft, low volatility.
*18	P-18, MIL-P-3420 or MIL-B-22019, inhibitor, corrosion, volatile treated carrier type, packaging materials.
19	P-19, MIL-C-16173, Grade 4, corrosion preventive, solvent cutback, cold application, transparent, nontacky.
2Ø	P-20, MIL-L-46002, lubricating oil, contact and volatile corrosion inhibited.
21	P-21, MIL-C-16173, Grade 5, thin film preservative, water displacing (soft film, cold application, low pressure, steam removable).
**#26	MIL-C-0083933(MR), corrosion preventive compound cold application (for motor vehicles), fire retardant.
**#27	MIL-C-16555, Type I, fire retardant, aluminum and aluminum gray.
**#28	MIL-C-16555, Type II, Class 1, fire retardant, olive drab.
**#29	MIL-C-16555, Type II, Class 2, fire retardant, Marine Corps green.
3Ø	MIL-L-8937, lubricant, solid film, heat cured.
31	MIL-C-6529, corrosion-preventive compound, aircraft engine, Type II, ready-mixed material for reciprocating aircraft engines.
32	MIL-C-6529, Type III, ready-mixed material for turbojet aircraft engines which use MIL-L-6081, lubricating oil.
33	MIL-L-7808, lubricating oil, aircraft turbine engine, synthetic base.
38	MIL-P-149, plastic compounds, strippable coating (hot dipping).

** Added
# Fire retardant

TABLE III. Preservative material codes (see 4.5) (continued).

Code	Material
43	MIL-G-25537, grease, aircraft, helicopter.
49	Vendor's protective grease or oil coating.
5Ø	MIL-L-7870, lubricating oil, general purpose, low temperature.
51	MIL-L-6081, lubricating oil, jet engine, Grade 1010.
52	MIL-C-8188, corrosion-preventive oil, gas turbine, engine, aircraft, synthetic base.
*#53	MIL-L-6082, lubricating oil, aircraft, reciprocating (piston) engine (fire retardant).
*56	MIL-L-23699, lubricating oil, aircraft turbine engines, synthetic base.
57	MIL-L-21260, lubricating oil, internal combustion engine, preservative and break-in, Grade 10, light viscosity oil.
58	MIL-L-21260, Grade 2, medium viscosity oil.
59	MIL-L-21260, Grade 3, heavy viscosity oil.
**#65	MIL-H-83282, hydraulic fluid, synthetic hydrocarbon, fire retardant.
**71	MIL-P-3420, inhibitor, corrosion, volatile treated carrier type, Type I, for general application.
**72	MIL-P-3420, Type II, for limited applications.
73	P-9, lubricating oil, general purpose, preservative, (water displacing, low temperature) overwrapped with MIL-P-3420, Type I material.
78	MIL-B-22019, barrier materials, transparent, flexible, sealable, volatile corrosion inhibitor treated.
79	MIL-B-46176, brake fluid, silicone, automotive, operational and preservative.
8Ø	MIL-P-46093, primer coating, synthetic (for brake drums).
83	P-9 applied to operating parts with P-1 applied to external noncritical surfaces.
89	Preserve with normal operating lubricant.
92	MIL-H-6083, hydraulic fluid, petroleum base; preservative applied to interior surfaces; P-6 applied to critical external ferrous metal surfaces; P-1 applied to external noncritical ferrous metal surfaces.
95	MIL-C-22235, corrosion preventive, oil, nonstaining.
**AA	Preservative used shall be in accordance with the general provisions of MIL-P-116.
XX	See method of preservation code for this requirement.
YY	Packager's option as long as all other contractual requirements are met.
ZZ	Special requirement - See specific instructions or drawings provided.

* Changed
** Added
# Fire retardant

TABLE IV. Wrapping material codes (see 4.6).

Code	Material	Weight lbs/sq. in.	Thick. (in.)
AA	Material used shall be in accordance with the requirements of MIL-P-116	0.00025	0.003
**#AB	MIL-B-81916, barrier, watervaporproof, flexible, heat-sealable, flame resistant		
BA	QQ-A-1876, aluminum foil, 0.0025"	0.00020	0.0025
CA	UU-P-268, paper, kraft, wrapping	0.00006	0.003
CB	UU-P-268, Type I, Grade B, 30 lb basis weight	0.00010	0.004
CC	UU-P-268, Type I, Grade B, 40 lb basis weight	0.00013	0.006
**CD	UU-P-268, Type I, Grade B, 60 lb basis weight	0.00003	
**#CE	UU-P-268, Type II, Grade C, 60 lb basis weight, fire retardant		
**#CF	UU-P-268, Type II, Grade D, 55 lb basis weight, fire retardant		
DA	UU-P-553, paper, wrapping tissue	0.00003	0.002
DB	UU-P-553, Type I	0.00003	0.002
DC	UU-P-553, Type II	0.00003	0.002
EA	MIL-P-17667, chemically neutral wrapping paper	0.00007	0.003
EB	MIL-P-17667, Type I	0.00007	0.003
EC	MIL-P-17667, Type II, Class 1	0.00007	0.003
*ED	MIL-P-17667, Type II, Class 2	0.00007	0.003
FA	MIL-P-130, laminated and creped wrapping paper	0.00035	0.005
FB	MIL-P-130, Type I, 150 lb basis weight	0.00035	0.005
FC	MIL-P-130, Type II, 125 lb basis weight	0.00029	0.004
FD	MIL-P-130, Type III, 100 lb basis weight	0.00023	
GA	MIL-B-121, greaseproof, waterproof barrier	0.00025	0.0035
GB	MIL-B-121, Grade A	0.00025	0.0035
GC	MIL-B-121, Type I, heavy duty, Grade A	0.00025	0.0035
GD	MIL-B-121,Type I, Grade A, Class 1, heat sealable	0.00022	
GE	MIL-B-121, Type I, Grade A, Class 2, nonheat sealable	0.00025	0.0035
GF	MIL-B-121, Type II, medium duty	0.00025	0.003
GG	MIL-B-121, Type II, Class 1, heat sealable, Grade A	0.00017	0.003
GH	MIL-B-121, Type II, Class 2, nonheat sealable, Grade A	0.00020	0.0035
GK	MIL-B-121,Grade A, overwrap with MIL-B-130, secure outerwrap	0.00025	
GM	MIL-B-131, Class 1, general	0.00035	0.006
GN	MIL-B-131, Class 2, limited	0.00028	0.004
GP	MIL-B-131, Class 3, scrim	0.00035	0.006
HC	PPP-B-1055, barrier material, waterproofed, flexible	0.0004	

* Changed
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\# Fire retardant

TABLE IV. Wrapping material codes (see 4.6) (continued).

Code	Material	Weight lbs/sq. in.	Thick. (in.)
JA	L-P-378, plastic sheet & strip, thin gauge, polyolefin, 2 mil	0.00017	0.002
**JB	PPP-C-795, cushioning material, flexible, cellular plastic film for packaging applications, Class 1, thin, up to 1/4 inch	0.00017	
JL	MIL-B-22019, barrier material, transparent, flexible, sealable, volatile corrosion inhibitor treated	0.00010	0.0025
JV	MIL-B-22191, barrier materials, transparent, flexible, heat sealable, Type III	0.00017	0.002
**JW	PPP-C-795, cushioning material, flexible, cellular, plastic film for packaging applications, Class 1, medium, 1/4 to 3/8 inch	0.00023	
JX	PPP-C-795, Class 1, thick, greater than 3/8 inch	0.00025	
K3	MIL-B-81705, Type II barrier materials, flexible electrostatic free, heat sealable	0.00030	0.004
LA	NNN-P-40, paper, lens, Type II	0.00002	0.0015
**MA	PPP-P-291, paperboard, wrapping and cushioning	0.00043	
*N1	PPP-C-795, cushioning material, flexible, cellular, plastic film for packaging applications, Class 2, antistatic, pink tinted, thin up to 1/4 inch	0.00017	
*N2	PPP-C-795, Class 2, antistatic, pink tinted, medium, 1/4 inch to 3/8 inch	0.00023	
N3	PPP-C-795, thick, greater than 3/8 inch	0.00023	
N4	PPP-C-1797, cushioning material, resilient, low density, unicellular, polypropylene foam, 1/16 inch	0.00004	
N5	PPP-C-1797, 3/32 inch	0.00004	
N6	PPP-C-1797, 1/8 Inch	0.00004	
N7	PPP-C-1797, 1/4 inch	0.00004	
N8	MIL-B-81705, Type I barrier materials, flexible, electrostatic free, heat sealable	0.00030	
**#PA	PPP-C-795, Class 3, flexible closed cell, fire-retardant, heat-sealable and non-corrosive plastic film		
OO	No requirement.		
XX	See Method of Preservation code for this requirement		
YY	Packager's option as long as all other contractual requirements are met		
ZZ	Special requirements - See specific instructions or drawings provided		

* Changed
** Added
# Fire retardant

TABLE V. Cushioning and dunnage material codes (see 4.7).

Code	Material	Weight lbs/sq. in.	Thick (in.)
AA	Any cushioning and dunnage which will meet the general requirements of MIL-P-116.		
AB	Cushioning and dunnage used within the unit container shall be treated latex or sponge rubber, cellulosic preforms, rubberized hair, or cane fiber inserts.		
AC	Provide cushioning outside of the transparent unit pack when packing within the shipping container. Any cushioning which meets the general requirements of MIL-P-116 is acceptable.		
AD	Cushion, anchor, block, or brace in accordance with MIL-STD-1186.		
AF	Cushioning conforming to the general requirements of MIL-P-116 shall be located between the bag and outer container.	0.0020	
*#AG	MIL-F-87090, Class 1, combustion retardant foam for cushioning supply items aboard Navy ships (sheet stock).		
**#AH	MIL-F-81334, foam, plastic, flexible, open cell, polyester type, polyurethane grades 1 and 2, sheet and strip, fire retardant.		
**#AJ	MIL-F-87090, Class 2, combustion retardant foam for cushioning supply items aboard Navy ships (die cuts).		
1/ BA	PPP-C-843, cellulosic cushioning material.	0.0015	$T
1/ BB	PPP-C-843, in PPP-B-566 or PPP-B-676 box (see Note 3).	0.0026	T+.045
BC	PPP-C-843 in PPP-B-636 class domestic (see Note 1).	0.0025	
1/ BD	PPP-C-843, Type I.	0.0004	T
BE	PPP-C-843, Type I in PPP-B-566 or PPP-B-676 box (see Note 1).	0.0015	
BF	PPP-C-843, Type I, in PPP-B-636 class domestic box (see Note 1).	0.0018	
BG	PPP-C-843, Type II.	0.0008	T
BH	PPP-C-843, Type II, in PPP-B-566 or PPP-B-676 box (see Note 1).	0.00195	
BJ	PPP-C-843, Type II, in PPP-B-636 class domestic box (see Note 1).	0.0023	
**#BL	PPP-C-850, cushioning material, polystyrene expanded, resilient, Type I (sheet form) and Type 2 (roll form) Grade SE flame resistant.		

* Changed
** Added
# Fire retardant
1/ Not to be used for Army aircraft or Army aircraft components
$ See Table VI for specifying required values of T

TABLE V. Cushioning and dunnage material codes (see 4.7) (continued).

Code	Material	Weight lbs/sq. in.	Thick (in.)
BN	PPP-C-850, cushioning material, polystyrene, expanded, resilient (for packaging use).	0.00122	
DA	PPP-P-291, paperboard, wrapping & cushioning.	0.00043	0.180
DB	PPP-P-291, in PPP-B-566 or PPP-B-676 box (see Note 1).	0.00043	
DC	PPP-P-291, in PPP-B-636, class domestic box (see Note 1).	0.00043	
**#DD	MIL-R-5001, rubber cellular sheet, latex foam, Type I and II, Grade A (flame resistant).		
**#DF	Oil and flame resistant in accordance with para 1.2.2, MIL-R-6130, Type I, Grade A.		
**#DG	Oil and flame resistant in accordance with para 1.2.2, MIL-R-6130, Type II, Grade A.		
**#DH	MIL-R-0020092, Type I, Class 5, fire retardant shipboard.		
**#DJ	MIL-R-0020092, Type II, Class 5, fire retardant, shipboard.		
EA	PPP-B-566 or PPP-B-676 box (see Note 3).	0.00043	0.045
EB	Vendor's setup or folding box (see Note 3).	0.00043	
EC	PPP-B-636, class domestic box (see Note 3).	0.00017	
ED	Vendor's fiberboard box (see Note 3).	0.00017	
EG	PPP-T-495, mailing tube (see Note 3).	0.0034	
EM	PPP-C-1120, Class B (not necessarily water resistant.	0.00064	T
EN	PPP-C-1120, Type I (soft density), Class B.	0.00064	T
EQ	PPP-C-1120, Type I, Class B, in PPP-B-636, class domestic box (see Note 1).	0.00064	
ER	PPP-C-1120, Type II (medium soft density), Class B.	0.00097	T
ET	PPP-C-1120, Type II, Class B, in PPP-B-636, class domestic box (see Note 1).	0.00097	
EU	PPP-C-1120, Type III (medium firm density), Class B.	0.00147	T
EW	PPP-C-1120, Type III, Class B, in PPP-B-636, class domestic box (see Note 1).	0.0025	
EX	PPP-C-1120, Type IV (firm density), Class B.	0.0022	T
EZ	PPP-C-1120, Type IV, Class B, in PPP-B-636, class domestic box (see Note 1).	0.0036	
FA	PPP-C-1120, Class A (water resistant), cushioning material, bound fiber.	0.00067	
FB	PPP-C-1120, Type I (soft density), Class A.	0.00064	T
FC	PPP-C-1120, Type I, Class A, in PPP-B-566 or PPP-B-676 box (see Note 1).	0.0018	

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TABLE V. Cushioning and dunnage material codes (see 4.7) (continued).

Code	Material	Weight lbs/sq. in.	Thick (in.)
FD	PPP-C-1120, Type I, Class A, in PPP-B-636 class domestic box (see Note 1).	0.00207	
FE	PPP-C-1120, Type II (medium soft density), Class A.	0.00097	T
FF	PPP-C-1120, Type II, Class A, in PPP-B-566 or PPP-B-676 box (see Note 1).	0.00207	
FG	PPP-C-1120, Type II, Class A, in PPP-B-636 class domestic box (see Note 1).	0.00237	
FH	PPP-C-1120, Type III (medium firm density), Class A.	0.00147	T
FJ	PPP-C-1120, Type III, Class A, in PPP-B-566 or PPP-B-636 box (see Note 1).	0.00257	
FK	PPP-C-1120, Type III, Class A, in PPP-B-636 class domestic box (see Note 1).	0.00287	
FL	PPP-C-1120, Type IV, (firm density), Class A.	0.00220	T
FM	PPP-C-1120, Type IV, Class A, PPP-B-566 or PPP-B-676 box (see Note 1).	0.0033	
FN	PPP-C-1120, Type IV, Class A, in PPP-B-636 class domestic box (see Note 1).	0.0036	
**#FP	PPP-C-1120, cushioning material, uncompressed bound fiber, Types I through V, Class A, Grade 1, fire retardant		
GA	PPP-C-1752, cushioning material, packaging, unicellular, polyethylene foam, flexible, 2 pounds per cubic foot.	0.0010	T
**#GB	MIL-F-83671, Class 3, semi-rigid, foam-in-place, fire retardant (see Note 2).	0.0002	
GC	MIL-P-19644, plastic, molding material.		
#GD	MIL-P-26514, Type I, Class 1, polyurethane, prefoamed, rigid, fire resistant.		
#GE	MIL-P-26514, Type I, Class 2, Grade A, polyurethane, prefoamed, flexible, light load range, fire retardant.	0.0012	T
#GF	MIL-P-26514, Type I, Class 2, Grade B, polyurethane, prefoamed, flexible, medium load range, fire retardant.	0.013	T
**#GG	MIL-P-19644, plastic molding material (polystyrene foam, expanded), fire retardant		
#GH	MIL-P-26514, Type I, Class 2, Grade C, polyurethane, prefoamed, flexible, medium load range, fire retardant	0.00166	

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TABLE V. Cushioning and dunnage material codes (see 4.7) (continued).

Code	Material	Weight lbs/sq. in.	Thick (in.)
#GJ	MIL-P-26514, Type I, Class 2, Grade C, polyurethane, prefoamed,flexible, heavy load range, 65 g's or less, fire retardant.	0.020	
*#GK	MIL-F-83671, Class 2, Grade A, foam-in-place, fire retardant (see Note 2).		
*#GL	MIL-F-83671, Class 2, Grade B, foam-in-place, fire retardant (see Note 2).		
*#GM	MIL-F-83671, Class 1, foam-in-place, fire retardant (see Note 2).		
GP	PPP-C-1752, cushioning material, packaging, unicellular, polyethylene foam, flexible, 1 pound per cubic foot.	0.0005	
#GQ	MIL-P-26514, Type I, Class 2, Grade C, polyurethane, prefoamed, flexible, heavy load range, 45 g's or less, fire retardant	0.0020	
*#GR	MIL-P-26514, Type I, Class 2, Grade C, polyurethane, prefoamed, flexible, heavy load range, 65 g's or less, fire retardant, or polyurethane foam conforming to MIL-P-26514 fire retardant in PPP-B-636, class domestic box.	0.0030	
GS	Polyurethane cushioning in rigid plastic container.		
*GT	PPP-C-1797, cushioning material, resilient, low density, unicellular, polypropylene foam, 1/16 inch. The blowing agent is certified to be nonflammable and nonexplosive.	0.004	
GU	PPP-C-1797, 3/32 inch.	0.004	
GV	PPP-C-1797, 1/8 inch.	0.004	
GW	PPP-C-1797, 1/4 inch.	0.004	
GY	PPP-C-1797, 3/16 inch.	0.004	
*#GZ	MIL-P-19644, plastic molding material, polystyrene foam, expanded bead, fire retardant, Type II, fire retardant.		
HA	UU-C-282, chipboard sheet used as a stiffener on one side of item.	0.001	
HB	UU-C-282, chipboard sheet used as a stiffener on both sides of item.	0.001	
HC	UU-C-282, chipboard sheet used as pads on all surfaces.	0.001	
HD	UU-C-282, chipboard sheet used as pads, cells, die cuts or sleeves.	0.001	
HE	UU-C-282, chipboard sheet used as stiffener on one side of item in PPP-B-566 or PPP-B-676 box (see Note 1).	0.001	

* Changed
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TABLE V. Cushioning and dunnage material codes (see 4.7) (continued).

Code	Material	Weight lbs/sq. in.	Thick (in.)
HF	UU-C-282, chipboard sheet used as stiffener on both sides of item in PPP-B-566 or PPP-B-676 box (see Note 1).	0.001	
HG	UU-C-282, chipboard sheet used as pads on all surfaces, in PPP-B-566 or PPP-B-676 box (see Note 1).	0.001	
HH	UU-C-282, chipboard sheet used as pads, cells, die-cuts or sleeves, in PPP-B-566 or PPP-B-676 box (see Note 1).	0.001	
HJ	UU-C-282, chipboard sheet used as a stiffener on one side of item in PPP-B-636 class domestic box (see Note 1).	0.001	
HK	UU-C-282, chipboard sheet used as a stiffener on both sides of item in PPP-B-636 Class domestic box (see Note 1).	0.001	
HL	UU-C-282, chipboard sheet used as pads on all surfaces, in PPP-B-636 Class domestic box (see Note 1).	0.001	
HM	UU-C-282, chipboard sheet used as pads, cells, die-cuts or sleeves in PPP-B-636 Class domestic box (see Note 1).	0.001	
HN	PPP-C-1752, Type VII, Class 1, 1/32 inch.	0.001	
JA	PPP-F-320, Class domestic, fiberboard, used as a stiffener on one side of the item.	0.0012	
JB	PPP-F-320, Class domestic, fiberboard, used as a stiffener on both sides of the item.	0.0012	
JC	PPP-F-320, Class domestic, fiberboard, used as pads, cells, sleeves, or die-cuts.	0.0012	
JD	PPP-F-320, Class domestic, fiberboard, used as a stiffener on one side of the item, in PPP-B-566 or PPP-B-676 box (see Note 1).	0.0012	
JE	PPP-F-320, Class domestic, fiberboard, used as a stiffener on both sides of the item, in PPP-B-566 or PPP-B-676 box (see Note 1).	0.0012	
JF	PPP-F-320, Class domestic, fiberboard, used as pads, cells, sleeves or die-cuts, in PPP-B-566 or PPP-B-676 box (see Note 1).	0.0012	
JG	PPP-F-320, Class domestic, fiberboard, used as a stiffener on one side of the item, in PPP-B-636 Class domestic box (see Note 1).	0.0012	
JH	PPP-F-320, Class domestic, fiberboard, used as a stiffener on both sides of the item, in PPP-B-636 Class domestic box (see Note 1).	0.0012	

TABLE V. Cushioning and dunnage material codes (see 4.7) (continued).

Code	Material	Weight lbs/sq. in.	Thick (in.)
JJ	PPP-F-320, Class domestic, fiberboard, used as pads, cells, sleeves or die-cuts, in PPP-B-636 Class domestic box (see Note 1).	0.0012	
JL	PPP-F-320, Class weather resistant, used as a stiffener on both sides of the item.	0.0012	
JM	PPP-F-320, Class weather resistant used as a stiffener on one side of the item.	0.0126	
JN	PPP-F-320, Class weather resistant, used as pads, cells, sleeves or die-cuts.	0.00150	
JQ	Fiberboard, triple-wall cells, pads, sleeves or die-cuts made of materials used in the fabrication of PPP-B-640 boxes.	0.0029	
LB	MIL-F-2312, felt, hair or wool.	0.001	
LC	PPP-C-795, cushioning material, flexible, cellular plastic film, for packaging applications, Class 1, thin, up to 1/4 inch.	0.00017	
LD	PPP-C-795, Class 1, greater than 1/4 inch.	0.00020	
#LE	MIL-P-26514, polyurethane foam, rigid or elastic for packaging, Type I, Class 2, used as corner pads, fire retardant.	0.009	
LF	MIL-C-3955, spirally wound fiber cans (material used as tubing without metal ends).		
LG	PPP-F-320, Type CF, Class domestic, fiberboard discs, faced on both sides with MIL-B-121, Grade A, barrier material (cushioning inside fiber cans).		
LH	Utilize the chest or carrying case of the item as the inner container (see Note 1).	0.0029	
LJ	PPP-T-60, tape, pressure-sensitive adhesive, waterproof for packaging applied to exposed threads.		
LK	Wood blocking and bracing and/or fasteners, and/or steel strapping, for tie-down purposes. Rubber tired wheels shall be blocked clear of the floor of the crate or skid and shall not be load bearing.	0.018	
LN	Plastic containers (vials, boxes, etc.) shall be constructed of rigid, transparent material and if applicable, resistant to lubricant or preservative being used.	0.00122	
LP	Wood, plywood padded as required; used as a pressure strip, block, brace or pallet.	0.01925	

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TABLE V. Cushioning and dunnage material codes (see 4.7) (continued).

Code	Material	Weight lbs/sq. in.	Thick (in.)
LR	PPP-C-795, cushioning material, flexible, cellular, plastic film, for packaging applications, Class 1, medium, 1/4 to 3/8 inch.	0.00023	
LS	PPP-C-795, Class 1, thick, greater than 3/8 inch.	0.00023	
*LT	PPP-C-795, Class 2, antistatic, pink, thin, up to 1/4 inch.	0.00017	
*LU	PPP-C-795, Class 2, medium, antistatic, pink, 1/4 to 3/8 inch.	0.00022	
*LV	PPP-C-795, Class 2, antistatic, pink, greater than 3/8 inch.	0.00023	
LX	PPP-C-795, in PPP-B-636, Class domestic box.		
NA	PPP-C-795, cushioning material, flexible, cellular plastic film, for packaging applications; or PPP-C-1842, cushioning material, plastic, open cell for packaging applications; or PPP-C-1797, cushioning material, resilient, low density, unicellular, polypropylene foam; or PPP-C-1752, cushioning material, packaging, unicellular polyethylene foam.	0.0004	
NB	PPP-C-1842, Type III, Style A or B. Other electrostatic-free cushioning material is acceptable provided it meets the static decay rate test requirement of PPP-C-1842.		
ND	PPP-C-795 or PPP-C-1842 or PPP-C-1797 or PPP-C-1752 in a PPP-B-636 box, Class domestic (see Note 2).		
NG	PPP-C-1842, cushioning material, plastic, open cell.	0.00017	
NR	PPP-F-320, Class domestic, fiberboard used as pads, cells, sleeves or die-cuts in PPP-B-636, class domestic box or cushioning material conforming to MIL-P-19644 or polyurethane foam conforming to MIL-P-26514 in PPP-B-636, Class domestic box.		
NS	PPP-F-320, Class weather resistant used as pads, cells, sleeves or die cuts or plastic molding material conforming to MIL-P-19644 or polyurethane foam conforming to MIL-P-26514.		

* Changed

TABLE V. Cushioning and dunnage material codes (see 4.7) (continued).

Code	Material	Weight lbs/sq. in.	Thick (in.)
NU	PPP-C-795, cushioning material, flexible, cellular, plastic film, for packaging application or PPP-C-1842, cushioning material, plastic, open cell for packaging application or PPP-C-1797, cushioning material, resilient, low density, unicellular polypropylene foam or PPP-B-1752, cushioning material, packaging, unicellular polyethylene foam, flexible in PPP-B-566 or PPP-B-676 box (see Note 3).		
NV	PPP-C-1842, cushioning material, Type III, plastic open cell for packaging application or PPP-C-1797, cushioning material, resilient low density, unicellular polypropylene foam in PPP-B-566 or PPP-B-676 box (see Note 3).		
**NW	PPP-C-1842, cushioning material, Type III, plastic open cell for packaging application or PPP-C-1797, cushioning material, resilient, low density, unicellular polypropylene foam in PPP-B-636, class domestic box (see Note 3).		
OO	No requirement.		
XX	See Method of Preservation Code for this requirement.		
YY	Packager's option as long as all other contractual requirements are met.		
ZZ	Special requirements. See specific instructions or drawing provided.		

Note 1. The use of this code does not require an additional container within a barrier to satisfy the method.

Note 2. Application of these materials (foamed-in-place) shall be in such a manner as to facilitate ease of removal and insure the reusability of the cushioning dunnage.

Note 3. Cushioning thickness shall apply to cushioning only and does not include thickness of the container.

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TABLE VI. Thickness of cushioning or dunnage codes (see 4.8).

Code	Minimum Thickness	Code	Minimum Thickness
A	1/4 inch thick	R	4 inches thick
B	1/2 inch thick	S	4-1/4 inches thick
C	3/4 inch thick	T	4-1/2 inches thick
D	1 inch thick	U	4-3/4 inches thick
E	1-1/4 inches thick	V	5 inches thick
F	1-1/2 inches thick	W	5-1/4 inches thick
G	1-3/4 inches thick	X	As required to protect the item or elements of the package
H	2 inches thick		
J	2-1/4 inches thick		
K	2-1/2 inches thick	Y	Packager's option as long as all other contractual requirements are met.
L	2-3/4 inches thick		
M	3 inches thick		
N	3-1/4 inches thick	Z	Special requirements - See specific instructions or drawings provided.
O	Not applicable		
P	3-1/2 inches thick		
Q	3-3/4 inches thick		

TABLE VII. Unit and intermediate container codes (see 4.9 or 4.12).

Code	Container	Weight lbs./sq. in.	Wall thick. (in.)
1Ø	Any suitable container included in this table may be used (see 4.9.1).		
11	Unit or shipping container is not required. Preparation for shipment shall be accomplished in a manner which will insure safe delivery at destination and shall comply with the Uniform Freight Classification Rules and Regulations or other regulations, as applicable to the mode of transportation.		
**#12	Bag conforming to requirements of UU-B-23 (flame retardant).		
A1	Bags made of material conforming to MIL-P-130, MIL-P-17667, MIL-B-121 Grade A, or MIL-B-117. Closure may be by staples, tape, adhesive or heat seal.	0.0003	0.006
A2	Any bag or sack used by the vendor.	0.0002	0.006
A3	Bags made of material conforming to MIL-B-121, Grade A or L-P-378, Type I or II. Closure shall be heat sealed only.	0.00017	0.004
**#A4	Bags made of material conforming to MIL-B-117, Type I, Class G, Style 1 (flame resistant).		

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TABLE VII. Unit and intermediate container codes (see 4.9 or 4.12) (continued).

Code	Container	Weight lbs./sq. in.	Wall thick. (in.)
AA	PPP-B-20, mailing bags.		
AC	PPP-S-30, sacks, shipping, paper (cushioned or reinforced).		
AD	PPP-S-30, Type I, exterior packaging bags.		
AE	PPP-S-30, Type II, interior packaging bags.		
AH	PPP-B-35, bags, textile, shipping.		
AJ	PPP-B-35, Type I, standard burlap bag.		
AK	PPP-B-35, Type II, standard cotton bag.		
**AL	PPP-B-35, Type III, laminated textile bags.		
AN	UU-B-36, bags, paper, grocers.	0.0002	0.006
AO	Any suitable bag or sack included in this table may be used (see 4.9.1).	0.0002	0.006
B1	MIL-B-117, Type I, Class B, Style 3, heavy duty, waterproof, opaque and transparent bag.	0.0003	
B2	MIL-B-117, Type I, Class C, Style 3, heavy duty, waterproof, greaseproof, opaque and transparent bag.	0.0003	
B3	MIL-B-117, Type I, Class E, Style 3, heavy duty, greaseproof, waterproof, watervaporproof, opaque and transparent bag.	0.0003	
B4	MIL-B-117, Type II, Class E, Style 3, medium duty, greaseproof, waterproof, watervaporproof, opaque and transparent bag.	0.00025	
B6	MIL-B-117, Type III, Class C, Style 2, light duty, waterproof, greaseproof, transparent bag.		
B7	MIL-B-117 bags or bags made of L-P-378 material fabricated in accordance with MIL-B-117; closure may be staples, tape, adhesive or heat seal.	0.00017	0.004
*B8	MIL-B-117, Type I, Class A, Style 2, heavy duty, waterproof, electrostatic free.	0.00035	0.006
*B9	MIL-B-117, Type I, Class F, Style 1, heavy duty, watervaporproof, electrostatic free.	0.00035	0.006
BD	MIL-B-117, bags, interior packaging.	0.00017	0.006

* Changed
** Added

TABLE VII. Unit and intermediate container codes (see 4.9 or 4.12) (continued).

Code	Container	Weight lbs./sq. in.	Wall thick. (in.)
BE	Bags made of material conforming to MIL-B-121, barrier material, grease-proofed, flexible (waterproofed), Grade A.	0.00025	0.006
BL	Bags made of material conforming to L-P-378, plastic sheet & strip, thin gauge, polyolefin.	0.00017	0.004
BQ	MIL-B-117, Type I, Class B, heavy duty waterproof bag.	0.0003	
BR	MIL-B-117, Type I, Class C, heavy duty greaseproof, waterproof bag.	0.0003	
BS	MIL-B-117, Type I,Class E, heavy duty, greaseproof, waterproof, watervapor-proof bag.	0.0003	
BT	MIL-B-22020, bag, transparent, heat sealable, VCI treated.	0.00020	0.004
BU	MIL-B-117, Type II, Class B, medium type, waterproof bag.	0.00025	
BV	MIL-B-117, Type II, Class C, medium type, greaseproof, waterproof bag.	0.00025	
BW	MIL-B-117, Type II, Class E, medium type, greaseproof, waterproof, water-vaporproof bag.	0.00017	
BX	MIL-B-117, Type III, Class B, light duty, waterproof bag.		
CA	PPP-B-1806, barrel and kegs, wood slack.		
CF	PPP-D-723, drum, fiber.	0.0043	0.12
CG	PPP-D-723, Type I, domestic type.	0.0043	0.12
CH	PPP-D-723, Type II, normal overseas type.	0.0043	0.12
CJ	PPP-D-723, Type III, military overseas type.	0.0043	0.12
CO	Any suitable fiber drum included in this table may be used (see 4.9.1).		
CR	PPP-D-723, Type I, Grade A, Class 2.		
CT	PPP-B-566, Variety 2, Process II.	0.0017	0.045
CU	PPP-B-566, Variety 2, Process II or PPP-B-665, Class 2.	0.0017	0.045
CV	PPP-B-566, Variety 2, Process II or PPP-B-665, Class 2 or PPP-B-636, Type CF, Class weather resistant.	0.0017	0.045
CW	PPP-B-665, Class 2 box, paperboard metal edged and components.	0.0017	0.045
D1	PPP-B-566 or PPP-B-676, folding or setup boxes.	0.0017	0.045
D2	PPP-B-566, PPP-B-665, or PPP-B-676, folding, metal-stayed or set up boxes.	0.0017	0.045

TABLE VII. Unit and intermediate container codes (see 4.9 or 4.12) (continued).

Code	Container	Weight lbs./sq. in.	Wall thick. (in.)
D3	PPP-B-566, PPP-B-665, PPP-B-676, or PPP-B-636, folding, metal-stayed, setup or fiberboard boxes.	0.0017	0.045
D4	Vendor's setup or folding box.	0.0017	0.045
D6	Variety 1 PPP-B-566 or PPP-B-676 boxes.	0.0017	0.045
D7	Variety 2 PPP-B-566 or PPP-B-676 boxes.	0.0017	0.045
DA	PPP-B-566, boxes, folding, paperboard.	0.0011	0.045
DB	MIL-B-43666, Type III.	0.00297	0.375
DC	MIL-B-38721, boxes, consolidation, fiberboard.		
DE	PPP-B-676 box.	0.0011	0.040
DJ	PPP-B-665 box.	0.0012	0.040
DO	Any suitable fiber box included in this table may be used (see 4.9.1).		
DP	PPP-B-640, box, triple wall.	0.00297	0.375
DQ	PPP-B-640, Class 1.	0.00297	0.375
DR	PPP-B-640, Class 2.	0.00297	0.375
DU	PPP-B-591, boxes, fiberboard, wood-cleated.	0.0043	0.750
DV	PPP-B-591, domestic type.	0.0043	0.750
DW	PPP-B-591, overseas type.	0.0043	0.750
E1	PPP-B-636, Type CF or Type SF, Class domestic.	0.00126	0.187
E2	PPP-B-636, Type CF or Type SF, Class weather resistant.	0.00126	0.187
E3	PPP-B-636, W5c or W6c.		
E4	PPP-B-636, W5s or W6s.		
E5	PPP-B-636, any desired option.		
E6	Vendor's fiberboard box.	0.00126	
E7	PPP-B-636, Type CF, Class domestic, Variety SW.		
**E8	PPP-B-636, Type CF, Class domestic, Variety DW.	0.00126	0.375
E9	PPP-B-636, Type CF, Class weather resistant or water resistant PPP-B-566 or PPP-B-676.		
EB	PPP-B-636, Type CF.		
EC	PPP-B-636, Type CF, Class domestic.	0.00136	0.187
ED	PPP-B-636, Type CF, Class weather resistant.	0.00126	0.187
**EE	PPP-B-636, grade V3c.	0.00136	0.187
EF	PPP-B-636, W5c.		
EG	PPP-B-636, W6c.		
EN	PPP-B-636, Type SF, Class domestic.	0.00126	0.187
EP	PPP-B-636, Type SF, Class weather resistant.	0.00126	0.187

** Added

TABLE VII. Unit and intermediate container codes (see 4.9 or 4.12) (continued).

Code	Container	Weight lbs./sq. in.	Wall thick. (in.)
EQ	PPP-B-636, V3s.		
ER	PPP-B-636, W5s.		
ES	PPP-B-636, W6s.		
EU	PPP-B-636, V2s.		
EV	PPP-B-1364 box, corrugated fiberboard, high strength, weather resistant, double wall.	0.00136	0.375
**EW	PPP-B-636, grades V3c or V3s.	0.00136	0.187
EX	PPP-B-621, Class 2, Style 7.		
EY	PPP-B-621, Class 1, Style 7.		
*FI	PPP-B-601 or PPP-B-576.		
F2	PPP-B-601, boxes, wood, cleated-plywood, overseas type; or PPP-B-621, Class 2.	0.0074	
F3	PPP-B-601, boxes, wood, cleated-plywood, domestic type; or PPP-B-621, Class 1.	0.0074	
F4	PPP-B-601, Grade A; plywood shall have the grade stamp of an approved testing agency.		
F5	Vendor's wood box.		
F6	PPP-B-601, Style I or J, wood-cleated, plywood box, surface treated in accordance with the requirements of the specification.		
F7	PPP-B-601 or PPP-B-621, overseas or domestic type, determined by shipment destination. Provided with nominal 2"x4" skid. Box provided with an inspection door, located for clear reading of the humidity indicator, for Method IIa only. Inspection door shall be hinged, cleated and sealed (similar to Inspection door specified in MIL-C-104). Wood and plywood boxes shall have top panels secured with wood screws and boxes banded. The top, one side and one end of the box shall be marked "REUSABLE CONTAINER AND CUSHIONING USE FOR RETURN OF NFRI ASSEMBLY" with black letters, minimum 2" high. In addition, mark box "TO OPEN - USE SCREW DRIVER" with 1" min. high letters.		

* Changed
** Added

TABLE VII. Unit and intermediate container codes (see 4.9 or 4.12) (continued).

Code	Container	Weight lbs./sq. in.	Wall thick. (in.)
F9	Shallow box, constructed of plywood and wood as follows: Sides and ends of one piece of lumber, 3/4 inch minimum thickness. Top and bottom of one-piece standard grade 3/8-inch plywood with exterior glue conforming to PSI-66. End cleats shall run across the grain of the ends and shall extend within 1/8 inch of the outside surface of the top and bottom. Sides shall extend over the cleats. Battens shall be applied in accordance with 3.3.5, 3.3.5.2, 3.3.5.2.1, 3.3.5.2.2, and Table VIII of PPP-B-621 except exterior battens or cleats shall not be used on the top. Nailing pattern and size of nails used in fastening the top and bottom to the sides and ends shall conform to Table XII of PPP-B-621 for the Style 4 box.		
FA	PPP-B-621, box, wood, nailed.	0.0074	
FB	PPP-B-621, Class 1, domestic.	0.0150	
FC	PPP-B-621, Class 2, overseas.	0.0150	
FD	PPP-B-601, box, wood, cleated-plywood.	0.0150	
FF	PPP-B-601, overseas type, style optional.	0.0150	
FG	PPP-B-601, domestic type, style optional.	0.0150	
**#FH	PPP-B-601, fire retardant treated with nonleachable compounds in accordance with MIL-L-19140.		
FK	PPP-B-576, box, wood, cleated, veneer, paper-overlaid.		
FL	PPP-B-576, Class 1.		
FM	PPP-B-576, Class 2.		
FO	Any suitable wood box included in this table may be used (see 4.9.1).		
FU	MIL-B-26195, box, wood cleated, skidded, load bearing base.	0.0196	
FV	MIL-B-26195, Type I.	0.0196	
FW	MIL-B-26195, Type II, overseas.	0.0196	

** Added
# Fire retardant

TABLE VII. Unit and intermediate container codes (see 4.9 or 4.12) (continued).

Code	Container	Weight lbs./sq. in.	Wall thick. (in.)
GB	MIL-B-26195, Type I or II, Style A or B, Class 1 or 2. Provide box with inspection door located for clear reading of the humidity indicator for Method IIa packages only. The inspection door shall be hinged, cleated and sealed (similar to inspection door specified by MIL-C-104). The top, one side and one end of the shipping container shall be marked "REUSABLE CONTAINER - USE FOR RETURN OF NFRI ASSEMBLY" in black letters, minimum 2" high.		
**#GC	MIL-P-46161, grade B.		
HA	PPP-C-96, cans, metal.		
HB	PPP-C-96, Type I, round, square, oblong, or pear-shaped, open-top, doubled-seamed ends.		
HC	PPP-C-96, Type II, round, soldered side and end seams, soldered vent hole closures.		
HD	PPP-C-96, Type III, round, open-top, double seamed ends, key opening band with reclosure feature.		
HE	PPP-C-96, Type IV, round, oval or oblong one piece drawn body, open-top with crimped, soldered or double-seamed lid, or lid crimped in position by means of annular band with tear tab.		
HF	PPP-C-96, Type V, round, square, oval or oblong, both ends crimped or double-seamed on (class optional).	0.0042	
HG	PPP-C-96, Type VI, round, square or oblong, bottom end crimped or double-seamed on, with full friction plug or slip cover closure.		
HH	PPP-C-96, Type VII, round, flaring body.		
HJ	PPP-C-96, Type VIII, round, dome or cone top, both ends double-seamed on, top end fitted with crown or screw cap closure or a special dispensing fitting.		
HK	PPP-C-96, Type IX, round, one-piece drawn body and dome cone or cone top, double-seamed bottom, top fitted with crown cap or a dispensing fitting.		

** Added
# Fire retardant

TABLE VII. Unit and intermediate container codes (see 4.9 or 4.12) (continued).

Code	Container	Weight lbs./sq. in.	Wall thick. (in.)
HU	MIL-C-26094, cans, hermetic sealing, aluminum, two-piece.		
JC	MIL-C-3955, cans, fiber, spirally wound.	0.009	
JD	MIL-C-3955, Type I, single body.		
JE	MIL-C-3955, Type II, telescopic.		
JF	MIL-C-3955, Type II, telescopic, Grade A, untreated (low moisture resistance).		
JG	MIL-C-3955, Type II, telescopic, Grade B, asphalt treated (highly moisture resistant).		
JH	PPP-C-96, Type V, Class 1, round, square, oval or oblong, both ends crimped or double seamed on, single friction plug closure.	0.0042	
JJ	PPP-C-96, Type V, Class 2, round, square, oval or oblong, both ends crimped or double-seamed on, with multiple friction plug closure.	0.0042	
JK	PPP-C-96, Type V, Class 3, round, square, oval or oblong, both ends crimped or double-seamed on, with Newman seal closure.		
JL	PPP-C-96, Type V, Class 4, round, square, oval or oblong, both ends crimped or double-seamed on with screw cap closure.		
JM	PPP-C-96, Type V, Class 5, round, square, oval or oblong, both ends crimped or double-seamed on with snap-on closure.		
JN	PPP-C-96, Type V, Class 6, round, square, oval or oblong, both ends crimped or double-seamed on with spout closure.		
K1	Each unit shall be packaged in a reusable metal container of minimum practicable size conforming to MIL-D-6054, MIL-D-6055, or MIL-C-4150, depending upon size or capacity of container required. This container will be used to accomplish the preservation method indicated by the method of preservation code.		
KA	MIL-C-4150, case, carrying and storage, cushioned within a PPP-B-636, Class domestic box.		

TABLE VII. Unit and intermediate container codes (see 4.9 or 4.12) (continued).

Code	Container	Weight lbs./sq. in.	Wall thick. (in.)
#KB	MIL-C-9959, container, flexible, reusable, watervaporproof, flame resistant, Type I, grade A.		
KE	MIL-D-6054, drum, metal, shipping and storage, reusable.		
KF	MIL-D-6055, drums, metal, reusable, shipping and storage (capacity from 88 to 510 cubic inches).		
KO	Any suitable rigid case or container, included in this table, may be used (see 4.9.1).		
KP	MIL-C-5584, container, shipping, aircraft engines, metal, reusable.		
M1	MIL-C-9897, crate, slotted angle, steel or aluminum, for lightweight airframe components and bulky items, Type I, Style A, 500 lbs maximum weight.		
M2	MIL-C-9897, Type II, Style A, 500 lbs maximum gross weight.		
M3	MIL-C-9897, Type I, Style B, 3,000 lbs gross weight.		
M4	MIL-C-9897, Type II, Style B, 3,000 lbs gross weight.		
M5	Vendor's open wood crate.		
MA	MIL-C-104, crate, wood, lumber, and plywood sheathed, nailed or bolted.		
MB	MIL-C-104, Type I, nailed, Class 1, lumber.		
MC	MIL-C-104, Type II, bolted, Class 1, lumber.		
MF	MIL-C-104, Type I, nailed, Class 2, plywood.		
MG	MIL-C-104, Type II, bolted, Class 2. plywood.		
MH	MIL-C-104, Type II, bolted, Class 1 or 2 provided with lifting attachments and an inspection port (Method IIa packages only). The top, one side and one end of the crate shall be marked "REUSABLE CONTAINER - USE FOR RETURN OF NFRI ASSEMBLY" with black letters a min. of 2" high.		
MJ	MIL-C-3744, crate, wood, open, 12,000 to 16,000 lbs capacity.		

Fire retardant

TABLE VII. Unit and intermediate container codes (see 4.9 or 4.12) (continued).

Code	Container	Weight lbs./sq. in.	Wall thick. (in.)
MO	Any suitable wood crate, included in this table, may be used (see 4.9.1).		
MU	MIL-C-25731, Types VI or VII as applicable.		
MV	MIL-C-52950, crates, wood, open and covered, Style A, heavy duty.		
MW	MIL-C-25731, crate, wood, for light-weight aircraft components.		
MX	MIL-C-52950, crates, wood, open and covered, Style B, light duty.		
MY	Naval Aviation Supply Office Dwg. No. 15024, for shipping and storage of gyroscopic instruments.		
NO	PPP-B-636, Grade V11c, variety double wall.	0.026	
NP	PPP-B-636, Grade V13c, variety double wall.	0.026	
NQ	PPP-B-636, Grade V15c, variety double wall.	0.026	
NR	PPP-B-1672, Type I, vertical star pack, includes internal cushioning.	0.001	
NS	PPP-B-1672, Type II, folding convoluted pack, includes internal cushioning.	0.0004	
NT	PPP-B-636, Type CF or Type SF, Class domestic, Style FTC.	0.014	
NU	PPP-B-636, Type CF or Type SF, Class weather resistant, Style FTC.	0.015	
NV	PPP-B-1672, Type III, telescoping encapsulated pack, includes internal cushioning.		
NW	PPP-B-1672, Type IV, horizontal star packs, includes internal cushioning.		
NY	Naval Aviation Supply Office Dwg. No. P069, molded, reusable container for circuit cards and modules.		
NZ	Naval Aviation Supply Office Dwg. No. 13414, modular, reusable container, for packaging major repairables.		
OO	No requirements.		

TABLE VII. Unit and intermediate container codes (see 4.9 or 4.12) (continued).

Code	Container	Weight lbs./sq. in.	Wall thick. (in.)
PK	MIL-P-9902 demountable box, Type II, Class 1, Style A; PPP-B-601, box, wood, cleated-plywood, overseas type; PPP-B-621, box, wood, nailed, Class 2 or PPP-B-640, fiberboard box, triple-wall, Class 2. Provide with nominal 2" x 4" skids. See box specifications for weight limitations. The packaged item shall be centered and cushioned on all surfaces between the unit package and the shipping container with cushioning conforming to PPP-C-1120, Type III or IV, Class C; PPP-C-1752; PPP-C-850, Type I; MIL-P-26514 or MIL-R-20092, Type II, Class 4 as required. Close, seal and reinforce fiberboard boxes in accordance with the appendix to the box specification. Steel banding is not permitted for fiberboard boxes. Wood and plywood boxes shall have top panels secured with wood screws and boxes banded. The top, one side and one end of the shipping container shall be marked "REUSABLE CONTAINER AND CUSHIONING - USE FOR RETURN OF NRFI ASSEMBLY." Black letters, minimum 2" high. In addition, mark box "TO OPEN-USE SCREW DRIVER." Black letters, minimum 1" high.		
RS	PPP-P-704, Type I, 5 gallon, tight head, steel shipping pail.		
RT	PPP-P-704, Type II, steel shipping pails (1 through 12 gallons), lug cover.		
RU	PPP-D-705, Type III, steel shipping drum, full removable lug cover.	0.01430	
W1	PPP-T-495, tubes, mailing and filing, Styles A or B.		
W2	PPP-T-495, Style C.		
W3	PPP-T-495, Style D.		
WA	Suitably secured bundle.		
WB	MIL-C-4150 (includes Styles A & B requirements of cancelled MIL-B-25305) or MIL-C-5584 (includes Style C requirements of cancelled MIL-B-25305).		
WC	MIL-C-9361, box, metal, fuel tanks, aircraft, external nested.		

TABLE VII. Unit and intermediate container codes (see 4.9 or 4.12) (continued).

Code	Container	Weight lbs./sq. in.	Wall thick. (in.)
WD	Plastic containers shall be constructed of rigid transparent material and, if applicable, resistant to lubricant or preservative being used. Containers too small for adequate marking shall be overpackaged in envelopes for identification marking purposes.		
WM	PPP-T-495, tubes, mailing and filing, paper.		
WP	UU-P-268, paper, kraft, wrapping, secured so as not to come unwrapped.	0.00010	0.004
WQ	L-P-378, plastic sheet & strip, thin gauge, polyolefin, secured so as not to come unwrapped.	0.00017	0.004
WR	PPP-P-291, paperboard, wrapping & cushioning, secured so as not to come unwrapped.	0.0033	
WS	PPP-F-320, fiberboard, taped, used as interior unit container.		
WU	MIL-B-5806, box, helicopter blade.		
WV	Wire or nylon tape tied a minimum of four places.		
WX	Cylindrical container of 22 mil thick polyethylene; closure may be made by mechanical fasteners or heat seal.		
XX	See method of preservation code for this requirement.		
YY	Packagers option as long as all other contractual requirements are met.		
ZZ	Special Requirement - See specific instructions or drawings provided.		

Note 1. Reusable aluminum shipping container assembly for Method II packaging includes plug type humidity indicator, pressure relief valve, cushioning, and internal fiberboard box.

TABLE VIII. Level of protection codes (see 4.10).

Code	Level
A	Level A
B	Level B
C	Level C

TABLE IX. Packing requirement codes (see 4.13).

Code	Requirement
A	Packing shall be accomplished using fiberboard boxes, weather resistant class, conforming to PPP-B-636 or triplewall, corrugated fiberboard boxes, Class 2, conforming to PPP-B-640.
B	Packing shall be accomplished using paper overlaid veneer cleated wood boxes, Class 2, conforming to PPP-B-576 or wirebound wood boxes, CLass 3, conforming to PPP-B-585, or wood cleated fiberboard boxes, Class 2, conforming to PPP-B-591.
C	Packing shall be accomplished using cleated-plywood wood boxes, Grade A, of PPP-B-601 or nailed and lock-corner wood boxes, Class 2, conforming to PPP-B-621 or covered wood crates, Style A or B conforming to MIL-C-52950 or lumber and plywood sheathed wood crates conforming to MIL-C-104, or steel or aluminum slotted angle crates, Type I, conforming to MIL-C-9897 or load-bearing base skidded wood-cleated boxes, Type II, conforming to MIL-B-26195.
D	Packing shall be accomplished using open wood crates conforming to MIL-C-3774, or steel or aluminum slotted angle crates, Type I, conforming to MIL-C-9897, or open wood crates, type A or B open, conforming to MIL-C-52950.
E	Packing shall be accomplished in accordance with MIL-STD-2073-1 as specified for Level A. Closure, sealing and reinforcement shall be in accordance with applicable specification for shipping container.
F	Packing is not required; the unit container shall also serve as the shipping container. Closure, sealing and reinforcement shall be in accordance with applicable specification for shipping containers.
G	Packing shall be accomplished in accordance with requirements in the applicable commodity or procedural packaging/packing specification as specified for Level A.
H	Packing shall be accomplished using boxes conforming to PPP-B-636, class weather-resistant. When size and weight limitations are exceeded, a suitable container shall be selected from Appendix C, Table VII of MIL-STD-2073-1.
L	Packing shall be accomplished using fiberboard boxes conforming to PPP-B-636, Class domestic or PPP-B-640, Class 1.
*M	Packing shall be accomplished using paper overlaid cleated wood boxes, Class 1, conforming to PPP-B-576 or wirebound wood boxes, Class 1, conforming to PPP-B-585 or wood cleated fiberboard boxes, Class 1, conforming to PPP-B-591 or loadbearing, base, skidded wood-cleated boxes, Type I, conforming to MIL-B-26195.

* Changed

TABLE IX. Packing requirement codes (see 4.13) (continued).

Code	Requirement
N	Packing shall be accomplished using cleated plywood wood boxes, domestic type, conforming to PPP-B-601, or nailed and lockcorner wood boxes, Class 1, conforming to PPP-B-621, or covered wood crates, Style A or B (sheathed), domestic class, conforming to MIL-C-52950, or nailed and bolted sheathed, lumber and plywood, wood crates, nonweather resistant/ domestic class conforming to MIL-C-104 or for lightweight airframe components and bulky items, steel or aluminum slotted angle crates, domestic class, conforming to MIL-C-9897.
P	Packing shall be accomplished using open wood crates, nonweather resistant, domestic class, Style A or B conforming to MIL-C-52950 or open wood crates, nonweather resistant, domestic class conforming to MIL-C-3774 or for lightweight airframes, steel or aluminum slotted angle crates, Type I domestic class, conforming to MIL-C-9897.
Q	Packing shall be accomplished in accordance with Appendix C, Table VII of MIL-STD-2073-1, as specified. Closure sealing and reinforcement shall be in accordance with applicable specifications for shipping containers.
R	Packing shall be accomplished in accordance with the requirements in the applicable commodity or procedural packaging/packing specification for Level B.
S	Packing shall be accomplished using boxes conforming to PPP-B-636, class domestic, special requirements. When size and weight limitations are exceeded, a suitable container shall be selected from MIL-STD-2073-1, Appendix C, Table VII.
T	Packing shall be accomplished by use of fiberboard containers conforming to weather-resistant class of PPP-B-636 or PPP-B-640; or whenever practicable, by means of shrink-film conforming to L-P-378, Type IV.
*U	Items or packages that require packing for acceptance by the carrier shall be packed in exterior type shipping containers in a manner that will ensure safe transportation at the lowest rate to the point of delivery and shall meet, as a minimum, the requirements of the following rules and regulations, as applicable to the mode(s) of transportation to be utilized: (a) Postal Regulations (b) Department of Transportation Regulations (c) Civil Air Regulations (d) Uniform Freight Classification Rules (e) National Motor Freight Classification Rules

* Changed

TABLE IX. Packing requirement codes (see 4.13) (continued).

Code	Requirement
	(f) American Truckers' Association Rules (g) Other applicable carriers' rules (h) Military Air Regulations for dangerous materials Consolidation of Shipments. All exterior packs of 1.5 cubic feet or less, having no single dimension (length, width, height) exceeding 40 inches (and when the total number of such containers in any individual shipment exceeds 25), shall be consolidated, using flat pallets, box pallets or containers as the consolidating media. Hazardous Material Shipment - By military air (including Logair and Quicktrans). Hazardous materials required to be shipped by military air or delivered to an airport of embarkation for shipment by military air shall be prepared for shipment according to provisions of AFR-71-4, DSAM 4145.3, TM38-250, NAVSUP Pub 505, MCO P4030.19, Packaging and Handling of Dangerous Materials for Transportation by Military Aircraft. Other than by military air - Dangerous materials required to be shipped by a mode of transportation other than military air shall be prepared for shipment according to applicable Department of Transportation (DOT) Regulations in effect at time of shipment. Shipments by parcel post must comply with Postal Regulations.
X	Packing shall be accomplished in accordance with ASTM D 3951.
Y	Packager's option, provided all other contractual requirements are met.
Z	Special Requirement. See specific instructions or drawings provided.
2	Packing shall be accomplished using cleated-plywood boxes, overseas type, conforming to PPP-B-601 or nailed wood boxes conforming to PPP-B-621, Class 2, Style 4.
3	Packing shall be accomplished using cleated-plywood boxes, overseas type, conforming to PPP-B-601 or nailed wood boxes conforming to PPP-B-621, Class 2, Style 4 or wirebound wood boxes conforming to PPP-B-585, Class 3, Style 2 or 3.
5	Packing shall be accomplished using cleated-plywood boxes, domestic type, conforming to PPP-B-601 or nailed wood boxes conforming to PPP-B-621, Class 1, Style 4 or wirebound wood boxes conforming to PPP-B-585, Class 3, Style 2 or 3.

TABLE IX. Packing requirement codes (see 4.13) (continued).

Code	Requirement
6	Packing shall be in accordance with the requirements of the applicable commodity or procedural specification, as specified for Level C.
7	Packing shall be accomplished using cleated-plywood boxes, domestic type, conforming to PPP-B-601 or nailed wood boxes conforming to PPP-B-621, Class 1, Style 4 or wirebound wood boxes conforming to PPP-B-585, Class 3, Style 2 or 3, or fiberboard boxes conforming to PPP-B-640, Class 2, Style E.

TABLE X. Special marking codes (see 4.14).

Code	Explanation of code	Code	Explanation of Code
ZZ	Special requirements	23	Perishable biologicals, do not freeze
Ø1	Fragile	24	Open for inspection or use only
Ø2	Arrow up	25	Box ___ of ___
Ø3	Method II	26	Load bearing area
Ø4	Fragile, Arrow up and Method II	28	Do not drop or throw
Ø5	Delicate instrument	29	Do not hump
Ø6	Delicate instrument and Arrow up	3Ø	Top heavy
Ø7	Glass - do not drop	31	Center of gravity
Ø8	Keep dry	32	Type I, shelf life
Ø9	Perishable - keep frozen	33	Type II, shelf life
1Ø	Keep at 40 degrees temperature	34	Manufacturer's part number
11	Sling point	36	Fragile, arrow up, and glass
12	Fragile, Method II	37	Fragile, arrow up
13	Open this side	39	Sensitive electronic device requirements of MIL-STD-129 (Section 5) apply
14	Center of balance		
15	Use no hooks		
16	Top	**4Ø	Omission of marking for sensitive, controlled or pilferable items per MIL-STD-129
17	Reusable container		
18	Remove top first		
19	Method II reusable container	99	No codes in this table apply; only MIL-STD-129 markings apply
2Ø	Do not bend		
21	Do not sling		

** Added

Custodians:
Army - SM
Navy - AS
Air Force - 43
DLA - DH

Review:
Army - AL, AR, CR, ME, MI, GL, AV, AT, EA
Navy - EC, SA, OS, YD, MC, CG
Air Force - 69, 99, 10, 11, 13, 18, 19
DLA - GS, CS, ES, PS, IP, IS, DP, DM, CT, SS, LS

Preparing Activity:
Navy - AS
Project No. PACK-0808

User:
Navy - SH

APPENDIX A

DOCUMENT NUMBER TO TABLE AND CODE CROSS REFERENCE INDEX

10. Scope

10.1 Except for the procedural specifications listed in Table Ia, this appendix cross indexes each document referenced in MIL-STD-2073-2 to the tables and codes in which they appear.

Document No.	Table	Code
L-P-378	Ib IV VII IX	BG, DB, DC, DD, DG, GY, GZ JA A3, B7, BL, WQ T
O-M-232	II	C
**FF-N-105	Ib	52
**NN-P-530	V	LP
QQ-A-1876	IV	BA
**RR-C-271	Ia	D7
**UU-B-23	VII	12
UU-B-36	VII	AN
UU-C-282	V	HA, HB, HC, HD, HE, HF, HG, HH, HJ, HK, HL, HM
UU-P-268	IV VII	CA, CB, CC, CD, CE, CF WP
UU-P-553	IV	DA, DB, DC
VV-L-800	III	Ø9
MMM-A-260	Ib	AW
NNN-P-40	IV	LA
PPP-B-20	VII	AA
PPP-B-35	VII	AH, AJ, AK, AL
**PPP-B-140	Ia	2Ø

** Added

APPENDIX A (continued)

Document No.	Table	Code
PPP-B-566	Ib	CE, DX, EA, EB
	V	BB, BE, BH, DB, FC, FF, FJ, FM, HE, HF, HG, HH, JD, JE, JF, NU, NV
	VII	CT, CU, CV, D1, D2, D3, D6, D7, DA
PPP-B-576	VII	F1, FK, FL, FM
	IX	B, M
PPP-B-585	IX	B, M, 3, 5, 7
PPP-B-591	VII	DU, DV, DW
	IX	B, M, 5
PPP-B-601	Ib	JM
	VII	F1, F2, F3, F4, F6, F7, FD, FF, FG, FH, PK
	IX	C, N, 2, 3, 4, 5, 7
PPP-B-621	Ib	AQ
	VII	EX, EY, F2, F3, F7, F9, FA, FB, FC, PK
	IX	C, N, 2, 3, 4, 5, 7
PPP-B-636	Ib	AL, AP, CH, CM, DR, DS, DW, EL, GV
	V	BC, BF, BJ, DC, EC, EQ, EW, ET, EZ, FD, FG, FK, FN, HJ, HK, HL, HM, JG, JH, JJ, LX, ND, NR
	VII	CV, D3, E1, E2, E3, E4, E5, E7, E8, E9, EB, EC, ED, EE, EF, EG, EN, EP, EQ, ER, ES, ET, EU, EW, KA, NO, NP, NQ, NT, NU
	IX	A, H, L, S, T
PPP-B-640	V	JQ
	VII	DP, DQ, DR, DK
	IX	A, L, T, 7
PPP-B-665	VII	CU, CV, CW, D2, D3, DJ
PPP-B-676	IB	CE, DX, EA, EB
	V	BH, DB, EA, FC, FF, FJ, FM, HE, HF, HH, JD, JE, JF, NU, NV
	VII	D1, D2, D3, D6, D7, DE
PPP-B-1055	Ib	AW
	IV	HC
PPP-B-1364	VII	EV
PPP-B-1672	VII	NR, NS, NV, NW
PPP-B-1806	VII	CA

APPENDIX A (continued)

Document No.	Table	Code
PPP-C-96	VII	HA, HB, HC, HD, HE, HF, HG, HH, HJ, HK, JH, JJ, JK, JL, JM, JN
PPP-C-795	Ib	DB, DC, GX, GY, GZ
	IV	JB, JW, JX, N1, N2, N3, PA
	V	LC, LD, LR, LS, LT, LU, LV, LX, NA, ND, NU
PPP-C-843	Ib	AC, AN
	V	BA, BB, BC, BE, BF, BH, BJ
PPP-C-850	V	BL, BN
	VII	PK
PPP-C-1120	V	EM, EN, EQ, ER, ET, EU, EW, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FJ, FK, FL, FM, FN, FP
	VII	PK
PPP-C-1752	Ib	GX
	V	GA, GP, HN, NA, ND, NU
	VII	PK
PPP-C-1797	Ib	GX
	IV	N4, N5, N6, N7, PA,
	V	GT, GU, GV, GW, GY, NA, ND, NU, NV, NW
PPP-C-1842	Ib	DB, DC, GX, GY, GZ
	V	NA, NB, ND, NG, NU, NV, NW
**PPP-C-2020	IIb	23
PPP-D-705	VII	RU
PPP-D-723	VII	CF, CG, CH, CJ, CR
PPP-F-320	Ib	JF, JM
	V	JA, JB, JC, JD, JE, JF, JG, JH, JJ, JL, JM, JN, LG, NR, NS
	VII	WS
**PPP-H-1581	Ia	42
**PPP-P-40	Ia	74

** Added

APPENDIX A (continued)

Document No.	Table	Code
PPP-P-291	IV V VII	MA DA, DB, DC WR
PPP-P-704	VII	RS, RT
**PPP-P-1132	Ia	B6
**PPP-P-1133	Ia	B7
**PPP-P-1134	Ia	B8
**PPP-P-1135	Ia	B9
**PPP-P-1136	Ia	C1
**PPP-P-1892	Ia	54
PPP-S-30	VII	AC, AD, AE
PPP-T-45	Ib	BJ
PPP-T-60	Ib V	AM, AU, AW, BA, BJ, DH, DR LJ
PPP-T-76	Ib	AL, AW, CH, CM, DR, GV
**PPP-T-360	Ia	A2
PPP-T-495	V VII	EG W1, W2, W3, WM
**MIL-V-3	Ia	76
**MIL-T-4	Ia	73
MIL-E-75	Ia Ib	75 FQ, FS, FT, FU, FV
MIL-C-104	VII IX	F7, GB, MA, MB, MC, MF, MG, MH C, N
MIL-P-116 Method I	I Ib	11 AH, AJ, AK, AL, BC, BL, BN, DC, DH, DK, DN

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APPENDIX A (continued)

Document No.	Table	Code
Method IA	I Ib	3Y AN, BD, DQ
Submethod IA-5	I	3V
Submethod IA-6	I	3W
Submethod IA-8	I Ib	3G AP, BA, BD, CG, DD, DX, GX, GY, GZ, JG, JH, JK
Submethod IA-13	I Ib	3T AW
Submethod IA-14	I Ib	3Q CH, JS
Submethod IA-15	I Ib	3P AW, CJ
Submethod IA-16	I Ib	3H DT, DU
Method IB	I	1Y
Submethod IB-1	I	12
Submethod IB-2	I	1B
Method IC	I Ib	2Y DP, DR
Submethod IC-1	I Ib	2E CE, DD, EL, GS, GZ, JR, JS, JT
Submethod IC-2	I Ib	2M JP
Submethod IC-3	I Ib	2D EB, JL
Submethod IC-4	I	2S
Submethod IC-7	I	2A
Submethod IC-9	I	2B

APPENDIX A (continued)

Document No.	Table	Code
Submethod IC-10	I	2C
Method II	I	4Y
	Ib	AR
Submethod IIA	I	4H
	Ib	AQ, DV, GW
Submethod IIB	I	4Q
	Ib	AQ, CA, CM, DW, JT
Submethod IIC	I	4G
	Ib	DG, EA, JO
Submethod IID	I	4V
	Ib	AQ, CB
Submethod IIE	I	4P
	Ib	CP
Submethod IIF	I	4T
Method III	I	1Ø
	1b	AE, AF, AG, AR, BM, CQ, DA, DB, EK, GV, JF, JM, JR
**Cleaning Procedures (C-Types)	II	1, 3, 5, 6, 7, 8, A, C, D, G, H, K, L, M, P, Q
**Preservatives (P-Types)	Ia	76
	III	Ø1, Ø2, Ø3, Ø6, Ø7, Ø9, 1Ø, 11, 12, 13, 15, 17, 18, 19, 2Ø, 21, 83, AA
General Requirements	IV	AA
	V	AA, AC, AF
MIL-B-117	Ib	AW, AY, CQ, DC, DS, GS, GX, GY, GZ
	VII	A1, A4, B1, B2, B3, B4, B6, B7, B8, B9, BD, BQ, BR, BS, BU, BV, BW, BX
MIL-P-121	Ib	AF, AJ, AU, BG, CE, CQ, DA, DH, DR, EB, EK, EL
	IV	GA, GB, GC, GD, GE, GF, GG, GH, GK
	V	LG
	VII	A1, A3, BE

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APPENDIX A (continued)

Document No.	Table	Code
MIL-P-130 (continued)	Ib	CQ, DA
	IV	FA, FB, FC, FD, GK
	VII	A1
MIL-B-131	Ib	AN, AP, CG, DV, DW, DX, EA, JG
	IV	GM, GN, GP
MIL-P-149	III	38
**MIL-V-173	Ib	AR
**MIL-R-196	Ia	34
MIL-B-197	Ib	FA, FB, FC, FF, FG, FH, FJ, FK, FL, FM, FN, FP
**MIL-B-208	Ia	17
**MIL-H-775	Ia	47
MIL-F-2312	V	LB
MIL-P-2845	Ia	B5
**MIL-C-3131	Ia	25
MIL-L-3150	III	Ø7
**MIL-B-3180	Ia	A5
**MIL-P-3184	Ia	26
**MIL-H-3280	Ia	45
MIL-P-3420	III	18, 73
**MIL-C-3600	Ia	94
**MIL-P-3684	Ia	3Ø
MIL-C-3774	VII	MJ
	IX	D, P
**MIL-A-3816	Ia	81
**MIL-B-3865	Ia	B1

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APPENDIX A (continued)

Document No.	Table	Code
**MIL-W-3903	Ia	D6
**MIL-N-3944	Ia	89
MIL-C-3955	V VII	LF JC, JD, JE, JF, JG
**MIL-C-3993	Ia	28
MIL-C-4150	VII	KA, K1, WB
MIL-S-4473	Ib	FT
**MIL-P-4861	Ia	53
**MIL-R-5001	V	DD
MIL-C-5501	Ib	DR
MIL-C-5584	VII	KP, WB
**MIL-E-5607	Ia	35
**MIL-P-5610	Ia	56
MIL-B-5806	VII	WU
MIL-D-6054	VII	K1, KE
MIL-D-6055	VII	K1, KF
**MIL-E-6058	Ia	36
**MIL-P-6063	Ia	19
**MIL-P-6074	Ia	66
MIL-L-6081	III	32, 51
MIL-L-6082	III	53
MIL-H-6083	III	92
MIL-L-6085	III	17
**MIL-R-6130	V	DF, DG

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APPENDIX A (continued)

Document No.	Table	Code
MIL-C-6529	III	31, 32
MIL-L-7808	III	33
MIL-L-7870	III	50
MIL-C-8188	III	52
MIL-L-8937	III	30
MIL-B-9361	VII	WC
MIL-C-9897	VII IX	M1, M2, M3, M4 C, D, N, P
MIL-P-9902	VII	PK
MIL-M-9950	II	E
MIL-C-9959	Ib VII	GW KB
**MIL-E-10062	Ia	37
**MIL-W-10430	Ia	78
**MIL-P-10603	Ia	67
MIL-G-10924	III	13
MIL-C-11796	III	06
**MIL-C-12000	Ia	22
**MIL-S-12134	Ia	97
**MIL-R-12323	Ia	B4
**MIL-P-14232	Ia II	38 B
MIL-C-16173	III	01, 02, 03, 19, 21
**MIL-C-16555	III	27, 28, 29

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APPENDIX A (continued)

Document No.	Table	Code
**MIL-E-16298	Ia	29
**MIL-P-16789	Ia	B3
**MIL-O-16898	Ia	48
**MIL-E-17555	Ia	33
MIL-P-17667	Ib IV VII	AF, DA, CQ EA, EB, EC, ED A1
**MIL-M-18058	Ia	49
**MIL-L-19140	VII	FH
MIL-S-19491	Ia	96
MIL-P-19644	V	GC, GG, GZ, NR
**MIL-R-0020092	V VII	DH, DJ PK
MIL-L-21260	III	1Ø, 57, 58, 59
MIL-B-22019	Ib III IV	GS 18, 78 JL
MIL-B-22020	Ib VII	GS BT
MIL-F-22191	Ib IV	DB, DC, DD, DS, DV, GY, GZ, JH, JL JV
MIL-C-22235	III	95
MIL-P-23199	Ib	AT, JN
MIL-S-23665	Ia	C3
MIL-L-23699	III	56
MIL-G-23827	III	11
MIL-G-25537	III	43

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APPENDIX A (continued)

Document No.	Table	Code
**MIL-P-25621	Ia	7Ø
MIL-C-25731	VII	MW
MIL-C-26094	VII	HU
MIL-B-26195	VII IX	FU, FV, FW, GB C, M
MIL-P-26514	Ib V VII	DD, DG, GY, GZ GD, GE, GF, GH, GJ, GQ, GR, LE, NR PK
**MIL-S-28786	Ia	C8
**MIL-B-38721	VII	DC
**MIL-C-39028	Ia	A9
**MIL-R-39032	Ia	C2
MIL-B-43666	VII	DB
**MIL-T-45542	Ia	A3
**MIL-V-45554	Ia	E3
**MIL-B-45997	Ia	A1
MIL-L-46002	III	2Ø
MIL-P-46093	III	8Ø
**MIL-P-46161	VII	GC
MIL-H-46170	III	15
MIL-B-46176	III	79
MIL-C-52950	VII IX	MV, MX C, D, N, P
**MIL-C-55330	Ia	C7
**MIL-C-55442	Ia	27

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APPENDIX A (continued)

Document No.	Table	Code
**MIL-B-55521	Ia	18
**MIL-M-55565	Ia	C4
**MIL-V-62038	Ia	E4
MIL-G-81322	III	12
**MIL-F-81334	V	AH
**MIL-G-81559	Ia	C6
MIL-B-81705	Ib IV	GX K3, N8
**MIL-B-81916	IV	AB
**MIL-H-83282	III	65
**MIL-F-83671	V	GB, GK, GL, GM
**MIL-C-0083933(MR)	III	26
MIL-F-87090	V	AG, AJ
MIL-STD-129	Ib X	BC, GS, GX 39, 40, 99
**MIL-STD-163	Ia	71
**MIL-STD-281	Ia	A8
**MIL-STD-649	Ia	15
**MIL-STD-758	Ib	DY
MIL-STD-767	II	N
MIL-STD-1186	V IX	AD X
MIL-STD-2073-1	Ia Ib II IX	C9, C5 DY B E, H, Q, S
MS18011	VII	LQ
MS90363	Ib	FX, FY, GA, GB, GC, GP, GQ, GR

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